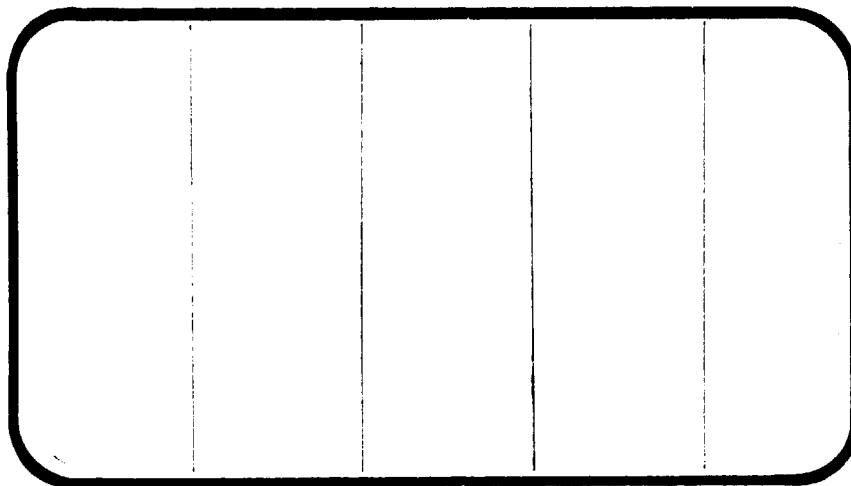




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(NASA-CF-134447) AIFLOADS INVESTIGATION OF  
AN 0.30-SCALE MODEL OF THE SPACE SHUTTLE  
VEHICLE 140A/B LAUNCH CONFIGURATION (MODEL  
47-OTS) IN THE ARC 11-FOOT UNITARY PLAN WIND  
TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A).

75-23659

Unclas  
G3/18 20534



SPACE SHUTTLE

AEROTHERMODYNAMIC DATA REPORT

JOHNSON SPACE CENTER

HOUSTON, TEXAS

DATA Management services

SPACE DIVISION



CHRYSLER  
CORPORATION

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VOLUME 5 OF 11

AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL  
OF THE SPACE SHUTTLE VEHICLE  
140A/B LAUNCH CONFIGURATION (MODEL 47-OTS)  
IN THE ARC 11-FOOT UNITARY  
PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)

by

R. L. Gillins  
Rockwell International Space Division

Prepared under NASA Contract Number NAS9-13247

by

Data Management Services  
Chrysler Corporation Space Division

for

Engineering Analysis Division

Johnson Space Center  
National Aeronautics and Space Administration  
Houston, Texas

WIND TUNNEL SPECIFICS:

Test Number: ARC 11-716  
NASA Series No.: IA14A  
Model Number: 47-OTS  
Test Dates: 4 through 13 September 1973

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AIRLOADS INVESTIGATION OF AN 0.030-SCALE MODEL  
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140A/B LAUNCH CONFIGURATION (MODEL 47-OTS)  
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PLAN WIND TUNNEL FOR MACH RANGE 0.6 TO 1.4 (IA14A)  
VOLUME 5

By R. L. Gillins, Rockwell International Space Division

ABSTRACT

This report presents results of tests conducted on an 0.030-scale launch configuration model of the Space Shuttle Vehicle 140A/B in the NASA/ARC 11-Foot Unitary Plan Wind Tunnel. Aerodynamic loads data were obtained at Mach numbers from 0.6 to 1.4.

Surface pressure distributions were obtained simultaneously with six-component stability and control force data on the complete launch configuration. The configuration consisted of the orbiter, an external tank, two solid rocket boosters, and associated intercomponent attach hardware. Angles of attack and sideslip from -10 degrees to +10 degrees were investigated. The tests, designated IA14A, were conducted from 4 September 1973 through 13 September 1973.



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## INTRODUCTION

The 0.030-scale aero loads Space Shuttle Model was tested in the ARC Unitary Plan Wind Tunnels as follows:

IA14A	4 thru 13 Sept. 1973
IA14B	17 thru 19 Sept. 1973
OA22A	13 thru 14 Sept. 1973
OA22B	19 thru 20 Sept. 1973

For tests IA14B, OA22A, and OA22B, see reference 34, 35, and 36, respectively.

The testing was conducted in the 11-foot and the 9- by 7-foot tunnels of the ARC Unitary Plan Wind Tunnels. The IA14A/B tests were for the launch configurations at Mach numbers from 0.6 to 2.2. The OA22A/B tests were for the orbiter alone configuration at Mach numbers from 0.6 to 2.2. The effects of control surface deflections were also investigated in tests OA22A/B.

This report for test IA14A consists of one volume of force data and ten volumes of pressure data for a total of eleven volumes arrayed in the following manner:

Volume No.	Contents	Page
1.	IA14A force data	
2.	IA14A plotted pressure data	
3.	IA14A tabulated pressure data	
	(a) Orbiter fuselage (B)	1-725
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# NOMENCLATURE General

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
a		speed of sound; m/sec, ft/sec
C <sub>p</sub>	CP	pressure coefficient; $(p_1 - p_\infty)/q$
M	MACH	Mach number; $V/a$
p		pressure; N/m <sup>2</sup> , psf
q	Q(NSM) Q(PCF)	dynamic pressure; $1/2\rho V^2$ , N/m <sup>2</sup> , psf
RN/L	RN/L	unit Reynolds number; per m, per ft
V		velocity; m/sec, ft/sec
$\alpha$	ALPHA	angle of attack, degrees
$\beta$	BETA	angle of sideslip, degrees
$\psi$	PSI	angle of yaw, degrees
$\phi$	PHI	angle of roll, degrees
$\rho$		mass density; kg/m <sup>3</sup> , slugs/ft <sup>3</sup>

## Reference & C.G. Definitions

A <sub>b</sub>		base area; m <sup>2</sup> , ft <sup>2</sup>
b	BREF	reference span; m, ft
c.g.		center of gravity
$\bar{c}$		reference length or wing mean aerodynamic chord; m, ft
S	SREF	wing area or reference area; m <sup>2</sup> , ft <sup>2</sup>
	MRP	moment reference point
	XMRP	moment reference point on X axis
	YMRP	moment reference point on Y axis
	ZMRP	moment reference point on Z axis

## SUBSCRIPTS

b	base
l	local
s	static conditions
t	total conditions
$\infty$	free stream

# NOMENCLATURE (Continued)

## Body-Axis System

<u>SYMBOL</u>	<u>SADSAC SYMBOL</u>	<u>DEFINITION</u>
$C_N$	CN	normal-force coefficient; $\frac{\text{normal force}}{qS}$
$C_A$	CA	axial-force coefficient; $\frac{\text{axial force}}{qS}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_{A_b}$	CAB	base-force coefficient; $\frac{\text{base force}}{qS}$ $-A_b(p_b - p_\infty)/qS$
$C_{A_f}$	CAF	forebody axial force coefficient, $C_A - C_{A_b}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CYN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CLL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$

## Stability-Axis System

$C_L$	CL	lift coefficient; $\frac{\text{lift}}{qS}$
$C_D$	CD	drag coefficient; $\frac{\text{drag}}{qS}$
$C_{D_b}$	CDB	base-drag coefficient; $\frac{\text{base drag}}{qS}$
$C_{D_f}$	CDF	forebody drag coefficient; $C_D - C_{D_b}$
$C_Y$	CY	side-force coefficient; $\frac{\text{side force}}{qS}$
$C_m$	CLM	pitching-moment coefficient; $\frac{\text{pitching moment}}{qS l_{REF}}$
$C_n$	CLN	yawing-moment coefficient; $\frac{\text{yawing moment}}{qS b}$
$C_l$	CLL	rolling-moment coefficient; $\frac{\text{rolling moment}}{qS b}$
$L/D$	L/D	lift-to-drag ratio; $C_L/C_D$

NOMENCLATURE (Continued)  
Additions To Standard List

<u>Symbol</u>	<u>SADSAC Symbol</u>	<u>Definition</u>
$A( )$		model base area, subscript is base orifice number and identifies location
$C_{A_b}$	CAB	model base axial-force coefficient
$C_p( )$		model static pressure coefficient, subscript is orifice number, $[p( ) - p_\infty]/q$
$C_{AU}$	CA	axial-force coefficient, unadjusted
$C_{AF}$	CAF	forebody axial-force coefficient, $C_{AU}$ adjusted for base terms
ET		external tank
IV		integrated vehicle, consists of orbiter, external tank, and two solid rocket motors
$l_{REF}$	LREF	reference length, inches
MRC		moment reference center
OMS		orbital maneuvering system
$\delta_e$	ELEVON	elevon, surface deflection angle, positive deflection trailing edge down, degrees
$\delta_f$	BDFLAP	orbiter body flap deflection angle, positive deflection angle is trailing edge down, degrees
$\delta_R$	RUDDER	rudder, surface deflection angle, positive deflection trailing edge to the left, degrees
$\delta_{SB}$	SPDBRK	speed brake deflection angle, left split rudder trailing edge left and right split rudder trailing edge right, $\delta_{SB} = (\delta_{RL} + \delta_{RR})/2$ , positive deflection, degrees
$i_0$	ORBINC	incidence angle between the orbiter and external tank, $i_0 = \alpha_0 - \alpha_T$ , degrees



# NOMENCLATURE (Continued)

$\beta_T$	BETAT	angle of sideslip of external tank, degrees
$\alpha_T$	ALPHAT	angle of attack of external tank, degrees
$l_B$	LB	length of orbiter body, in
$l_T$	LT	length of external tank, in
$l_S$	LS	length of SRM booster, in
$l_{NM}$	LNM	length of OMS nozzle, positive direction forward of exit plane, in
$l_{NP}$	LNP	length of MPS nozzle, positive direction forward of exit plane, in
$b/2$	BW	wing semi-span, in
$b_v$	BV	vertical tail span, in
$x$	X	distance from component nose, in
$y$	Y	lateral distance from centerline, in
$z$	Z	vertical distance measured from W.L. 500 (vertical tail reference root chord), in
$c_w$	CW	local wing chord, in
$c_v$	CV	local vertical tail chord, in
$x/l_B$	X/LB	longitudinal position/orbiter body length
$x/l_T$	X/LT	longitudinal position/external tank length
$x/l_S$	X/LS	longitudinal position/booster length
$x/l_{NM}$	X/LNM	longitudinal position/OMS nozzle length

# NOMENCLATURE (Concluded)

$x/l_{NP}$	X/LNP	longitudinal position/MPS nozzle length
$x/c_w$	X/CW	local chordwise position/local wing chord length
$x/c_v$	X/CV	local chordwise position/local vertical tail chord length.
$\eta$	Y/BW	local spanwise position/wing semi-span
$\eta_v$	Z/BV	local spanwise position/vertical tail span
$x_{CP}/l$	XCP/L	center of pressure distance from MRC, expressed as a fraction of body length
$\epsilon_0$	BETA0	angle of sideslip of orbiter
$\alpha_0$	ALPHA0	angle of attack of orbiter

## CONFIGURATIONS INVESTIGATED

The 0.030-scale Aero Loads Model, 47-OTS, was configured after the Shuttle Vehicle MCR 0200 Baseline R1, as defined in drawing number VL70-000088B. The orbiter configuration was a combination of the VL70-000140A orbiter and a VL70-000140B wing and midbody, from which the 140A/B designation was derived. The basic launch configuration consisted of the orbiter, an external tank with simulated fuel and vent lines, and two solid rocket boosters, designated  $O_1$   $T_{12}$   $S_{12}$   $N_{25}$ .

Three launch configurations were tested. One was the basic configuration described above mounted on a dual balance and sting arrangement, illustrated in figure 2d. A second contained attach hardware, designated  $AT_{10}$ , mating the orbiter with the external tank and mounted on a single sting and balance in the orbiter, illustrated in figure 2b. The third utilized a similar attach hardware configuration, designated  $AT_{11}$ , which was attached to the orbiter but not to the external tank and was mounted on the same dual sting and balance arrangement as the basic configuration (figure 2c). In all three configurations, the SRB-to-ET attach hardware was simulated at the forward attach location but not at the aft attach location. Model and component general arrangements are shown in figures 2e through 2o.

Component	Description
$O_1$	140A/B orbiter minus the main propulsion system nozzles
$T_{12}$	324-inch diameter external tank with ogive nose and external fuel and vent lines
$S_{12}$	142.3-inch diameter solid rocket boosters

$N_{25}$	Nozzles for $S_{12}$ boosters
$AT_{10}$	Orbiter-to-ET attach hardware, fixed to both vehicles
$AT_{11}$	Orbiter-to-ET attach hardware, fixed to orbiter only
LV	$O_1 T_{12} S_{12} N_{25}$
LVA	$O_1 T_{12} S_{12} N_{25} AT_{10}$
LVA <sup>P</sup>	$O_1 T_{12} S_{12} N_{25} AT_{11}$

The orbiter  $O_1$ , consisted of the following components:

$B_{26} C_9 F_8 M_7 N_{28} V_8 R_5 W_{116} E_{26}$ .

$B_{26}$	Double delta wing fuselage, 140A/B
$C_9$	Canopy, 140A
$F_8$	Body flap, 140A
$M_7$	OMS pods, 140A
$N_{28}$	OMS nozzles, 140A
$V_8$	Vertical tail, 140A
$R_5$	Rudder, 140A
$W_{116}$	Double delta wing, 140B
$E_{26}$	Elevons, 140B

Parametric investigations were limited to angles of attack and side-slip with all orbiter control surfaces at  $0^\circ$  deflection.

## INSTRUMENTATION DESCRIPTION

The left side of the orbiter and the external tank and the left hand SRB were extensively instrumented with pressure orifices for measurement of surface static pressure distributions. Additionally, there were clusters of orifices around inter-component attach structure locations on the right hand side of the orbiter and external tank. The orbiter contained 471 operational orifices, of which 83 were clustered around attach structure. The external tank contained 270 operational orifices, of which 127 were clustered around attach structure. The SRB contained 124 operational orifices. A three-tube total pressure rake was installed in the opening between the orbiter and external tank. Tables and sketches defining orifice locations are included in this report. All model pressures were measured by model mounted Scanivalve, Inc., S-type scanivalve modules - twelve in the orbiter, seven in the external tank, and five in the SRB.

Force instrumentation consisted of a six-component internal force balance in both the orbiter and external tank for the LV and LVAP configurations, and a single six-component internal force balance in the orbiter for the attached LVA configuration.

## TEST FACILITY DESCRIPTION

The tests were conducted in the Ames 11- by 11-Foot Transonic Wind Tunnel which is a variable density, closed return, continuous flow type. This tunnel has an adjustable nozzle (two flexible walls) and a slotted test section to permit transonic testing over a Mach number range continuously variable from 0.4 to 1.4.

## DATA REDUCTION

Data were reduced to coefficient form about body axes using the following reference constants:

$S_{REF} = 2.421 \text{ ft}^2$	reference area for force and moment coefficients
$l_{REF} = 38.709 \text{ in}$	reference length for moment coefficients
$A_1 = 0.07670 \text{ ft}^2$	Orbiter sting cavity
$A_2 = 0.21340 \text{ ft}^2$	Orbiter heat shield base
$A_3 = 0.08560 \text{ ft}^2$	Orbiter OMS base (2)
$A_4 = (\text{see table below})$	Orbiter speed brake base
$A_{501} = 0.07266 \text{ ft}^2$	Tank sting cavity
$A_{502} = 0.44264 \text{ ft}^2$	Tank base
$A_{801} = 0.19600 \text{ ft}^2$	SRM nozzle base (2)
$A_{802} = 0.16590 \text{ ft}^2$	SRM skirt base (2)
$\delta_{SB} = \begin{array}{l} 0 \\ 14.92 \\ 24.92 \\ 34.92 \\ 54.92 \\ 84.92 \end{array} \text{ deg}$	$A_4 = \begin{array}{l} 0 \\ 0.02327 \\ 0.03866 \\ 0.05370 \\ 0.08252 \\ 0.12083 \end{array} \text{ ft}^2$
$X_{MRP} = 0 \text{ in}$	
$Y_{MRP} = 0 \text{ in}$	
$Z_{MRP} = 9.99 \text{ in}$	

The incidence angle between the orbiter and the external tank is equal to zero for angle of attack and angle of sideslip. Therefore, the angle of attack, ALPHA, used in the force plots is equal to ALPHA0. Also the angle of sideslip, BETA, used in the force plots is equal to BETA0.

The force and moment data recorded by the orbiter balance for configuration LV and LVAP are identified as RB10XX datasets. Force and moment data recorded by the tank balance for configuration LV and LVAP and by the orbiter balance for LVA (composite) are identified by RB11XX.

The pressure data were recorded for each component. The fourth character in each dataset identifier (i.e. RB1BXX, B for fuselage) represents the individual component. The following list indicates the symbol for each component.

SYMBOL	COMPONENT
B	Orbiter fuselage
C	Orbiter base
E	OMS nozzle
F	Body flap
M	OMS pod outside
L	Lower wing surface
U	Upper wing surface
R	Right vertical tail surface
V	Left vertical tail surface
S	SRM booster
T	External tank
X	SRM nozzle



## SYMBOL

## COMPONENT

Y

External tank base &amp; SRM booster base

1

Orbiter attach points

2

External tank attach points

3

External tank base rake

## REFERENCES

1. Orbiter - Lines and Configuration Control Drawings
2. VL70-000140A, Orbiter Configuration Control Drawing MCR 0200 Baseline
3. VL70-000143A, Lines Control, Vehicle 4 Forward Body - Cabin - Canopy MCR 0200 Baseline
4. VL70-000200, Lines Control, Midbody - Wing - Boot Fairing MCR 200 R3 dated 7-2-73
5. VL70-000145, Lines Control - Aft Body - OMS/RCS Pods, MCR 0200 - R1 baseline
6. VL70-000146A, Lines Control (Vehicle 4) Vertical Tail MCR 0200 Baseline
7. External Oxygen Hydrogen Tank (EOHT) - Lines and Configuration Control Drawings
8. VL78-000041B, External Tank - Configuration Control MCR 0200 Baseline R2
9. VL78-000024A, Structural Assy - External Tank MCR 0200 R2
10. VL78-000031A, Thermal Protection - External Tank, MCR 0200 Baseline
11. Solid Rocket Boosters (SRB) - Lines and Configuration Control Drawings
12. VL77-000036A, SRB Configuration Control MCR 0200 R1
13. VL77-000041, SRB Booster Assy, MCR 0200 R1
14. Integrated Vehicle- Lines and Configuration Control Drawings
15. VL72-000088A, Shuttle Configuration MCR 0200 Baseline R1
16. VL72-000089, SRB-ET-Orbiter Interface Disconnects MCR 0200 Baseline
17. VL72-000075, External Tank to SRB Attach Interface MCR 0074 Baseline
18. Aero Loads Model 47-OTS - Model Fabrication, Assembly and Installation Drawings

19. SS-A00119, Orbiter Assy - .030 Scale Pressure/Loads Model (140A/B Lines)
20. SS-A00120, Assy & Details - EOHT - .030 Scale Pressure/Loads Model (140A Lines)
21. SS-A00121, Orbiter/EOHT Attachments .030 Scale Pressure/Loads Model (140A Lines)
22. SS-A00122, Assy & Details - SRM - .030 Scale Pressure/Loads Model (140A Lines)
23. SS-A00123, Assy & Details - Forebody - .030 Scale Pressure/Loads Model (140A Lines)
24. SS-A00124, Assy & Details - Aft Fuselage - .030 Scale Pressure/Loads Model (140A Lines)
25. SS-A00125, Assy & Details - Wing Splice Plate & Cuff - .030 Scale Pressure/Loads Model (140A Lines)
26. SS-A00126, Assy & Details - Vertical Stabilizer - .030 Scale Pressure/Loads Model (140A Lines)
27. SS-A00127, Ames 11-ft x 11-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140A/B Lines)
28. SS-A00128, Ames 9-ft x 7-ft Wind Tunnel Installation - .030 Scale Pressure/Loads Model (140A/B Lines)
29. SS-A00130, Lines Control - Profile VL70-000140A - .030 Scale Pressure/Loads Model (140A/B Lines)
30. W-1104S Sting - Ames MK II 4" Balance (Male End), Ames MK XX 2.5" Balance
31. W-1105S, Sting - Ames MK II 4" Balance (Male End), RI MK I 2.75 Balance
32. W-1106A, Adapter - Ames MK II, 4" Balance (Male & Female)
33. W-1107A, 13.5" Bent Sting Adapter Ames MK II 4" Balance (Male & Female)

34. (DMS-DR-2129), "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Launch Configuration (Model 47-OTS) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach Range 1.55 and 2.2 (IA14B)"
35. (DMS-DR-2130), "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Orbiter Configuration (Model 47-0) in the ARC 11-foot Unitary Plan Wind Tunnel for Mach Range 0.6 and 0.9 (OA22A)"
36. (DMS-DR-2131), "Airloads Investigation of an 0.030-Scale Model of the Space Shuttle Vehicle 140A/B Orbiter Configuration (Model 47-0) in the ARC 9- by 7-foot Unitary Plan Wind Tunnel for Mach Range 1.55 and 2.2 (OA22B)"

TABLE I.

TEST : <u>IA-14A</u>		DATE : <u>9-13-73</u>	
TEST CONDITIONS			
MACH NUMBER	REYNOLDS NUMBER (per unit length)	DYNAMIC PRESSURE (pounds/sq. ft.)	STAGNATION TEMPERATURE (degrees Fahrenheit)
0.60	$4.0 \times 10^6$	480	120
0.75	$3.75 \times 10^6$	540	120
0.85	$3.5 \times 10^6$	550	120
0.90	$3.5 \times 10^6$	580	120
0.95	$3.25 \times 10^6$	610	120
0.975	$3.0 \times 10^6$	530	120
1.00	$3.0 \times 10^6$	535	120
1.025	$3.0 \times 10^6$	540	120
1.05	$3.0 \times 10^6$	545	120
1.10	$3.0 \times 10^6$	550	120
1.15	$3.0 \times 10^6$	575	120
1.25	$2.75 \times 10^6$	540	120
1.40	$2.75 \times 10^6$	570	120

BALANCE UTILIZED:

LVA: 2.5-in MK XX (ORBITER)

LVAP: 2.5-in MK XX (ORB.), 2.75-in MK I (ET)

	CAPACITY:		ACCURACY:		COEFFICIENT TOLERANCE:
	MK XX	MK I			
NI	6000	7500	MK XX	MK I	
SI	3000	3750	0.2%	0.2%	
AF	600	700	0.2%	0.2%	
PM					
RI	4000	4000	0.2%	0.2%	
YM					

COMMENTS: Test conditions for LVA and LVAP model configurations

TABLE I. - Concluded.

TEST :		1A-14A		DATE :		9-13-73	
TEST CONDITIONS							
MACH NUMBER		REYNOLDS NUMBER (per unit length)		DYNAMIC PRESSURE (pounds sq. ft)		STAGNATION TEMPERATURE (degrees Fahrenheit)	
0.60		$4.0 \times 10^6$		480		120	
0.75		$4.25 \times 10^6$		610		120	
0.85		$4.5 \times 10^6$		710		120	
0.90		$4.5 \times 10^6$		750		120	
0.95		$4.5 \times 10^6$		780		120	
0.975		$4.25 \times 10^6$		750		120	
1.05		$4.25 \times 10^6$		790		120	
1.10		$4.0 \times 10^6$		760		120	
1.15		$3.75 \times 10^6$		720		120	
1.25		$2.75 \times 10^6$		735		120	
1.40		$3.0 \times 10^6$		620		120	

BALANCE UTILIZED:				<u>2.5-in MK XX (ORB.), 2.75-in MK I (ET)</u>			
	CAPACITY:		ACCURACY:		COEFFICIENT TOLERANCE:		
	MK XX	MK I	MK XX	MK I			
NF	6000	7500	0.2	0.2			
SF	3000	3750	0.2	0.2			
AF	600	700	0.2	0.2			
PM							
RM	4000	4000	0.2	0.2			
YM							

COMMENTS: Test conditions for LV model control.

TABLE II

[illegible]

\* FORCE DATA NOT AVAILABLE.

NASA-MSFC-WAF

TABLE II - Continued

TEST: I A14A		DATA SET RUN NUMBER COLLATION SUMMARY															DATE: 12 Sept 1943		
DATA SET IDENTIFIER	CONFIGURATION	SCHD.		PARAMETERS/VALUES					NO. OF RUNS	1/2 MIN (OF ALTERNATE INDEPENDENT VARIABLE)									
		B	M	S <sub>1</sub>	S <sub>2</sub>	S <sub>3</sub>	S <sub>4</sub>	-10		-8	-6	-4	-2	0	2	4	6	8	10
RBI 31	$\phi_1 + T_{12} + S_{12} N_{25} + AT_{10}$	A	.9	C	0	0	0		1*	2*	3*	4*	5*	6*	7	12	13	14	15
32			1.1						16*	17*	18*	19*	20*	21	22	23	24	25	26
33		V	1.25						27*	28*	29*	30*	31	32	33	34	35	36	37
34	$+AT_{11}$	B	1.0							47		48	49			50		51	
35			.75							56		55	54			53		52	
36			.85							42		43	44			45		46	
37			.95							57		58	59			60		61	
38			1.05							63		64	65			66		67	
39			1.15							68		69	70			71		72	
40			1.4							84		85	86			87		88	
41			.62							149		48	147			146		145	
42			.75							140		141	142			143		144	
43			.25							135		136	137			138		139	
44			.70							130		131	132			133		134	
45			.15							125		126	127			128		129	
46			.75							120		121	122			123		124	
47			1.05							115		116	117			118		119	
V 48		V	1.10							110		111	112			113		114	
1										43		49	55		61		67		75.76
		COEFFICIENTS																	
$\alpha$ OR $\beta$		$(A) = -10 b + 10, 0$																	
SCHEDULES		$(B) = -8, -4$																	
		10VAR (1) 10VAR (2) NOV																	

\* FORCE DATA NOT AVAILABLE.



TABLE II - Concluded

[illegible]

TABLE III. - MODEL DIMENSIONAL DATA

MODEL COMPONENT: ATTACH STRUCTURE - AT<sub>10</sub>GENERAL DESCRIPTION: Attach structure for Integrated Vehicle Configuration4 per VL72-000088B and VL72-000089, modified as follows: RemovedET-to-SRM aft attach struts (4) and left orbiter to right ET aftattach crossover rod.MODEL SCALE: 0.030

DRAWING NO.: SEE DESCRIPTION

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
FORWARD ATTACH		
Orbiter to Tank		
Number of struts	<u>2</u>	<u>2</u>
Diameter - In.	<u>6.000</u>	<u>0.180</u>
Location - In.		
$X_O$	<u>382.000</u>	<u>11.460</u>
$X_T$	<u>1078.000</u>	<u>32.340</u>
DRAG LINK ATTACH		
Orbiter to Tank		
Number of struts	<u>2</u>	<u>2</u>
Diameter, In.	<u>15.000</u>	<u>0.450</u>
Location, In.		
$X_O$	<u>1307.000</u>	<u>39.210</u>
$X_T$	<u>1859.000</u>	<u>55.770</u>
AFT ATTACH		
Orbiter to Tank		
Number of struts	<u>2</u>	<u>2</u>
Diameter - In.	<u>12.000</u>	<u>0.360</u>
Location - In.		
$X_O$	<u>1307.000</u>	<u>39.210</u>
$X_T$	<u>2058.000</u>	<u>61.740</u>
CROSSOVER ROD (RIGHT ORBITER TO LEFT ET)		
Diameter, In.	<u>8.000</u>	<u>0.240</u>
Location - In.		
$X_O$	<u>1307.000</u>	<u>39.210</u>
$X_T$	<u>2058.000</u>	<u>61.740</u>

TABLE III. - Continued.

MODEL COMPONENT: ATTACH STRUCTURE - AT<sub>11</sub>

GENERAL DESCRIPTION: Attach structure, same as AT<sub>10</sub> except the forward attach struts are rotated to the vertical, and the structure extends from the orbiter but is not attached to the tank.

MODEL SCALE: 0.030

DIMENSIONS:	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
FORWARD ATTACH		
Orbiter to Tank		
Location - In.		
$X_O$	<u>382.000</u>	<u>11.460</u>
$X_T$	<u>1133.000</u>	<u>33.990</u>
Clearance, tank to strut - In.	<u>16.667</u>	<u>0.500</u>
DRAG LINK ATTACH		
Orbiter to Tank		
Clearance, tank to strut - In.	<u>8.333</u>	<u>0.250</u>
AFT ATTACH		
Orbiter to Tank		
Clearance, Tank to strut - In.	<u>8.333</u>	<u>0.250</u>
Crossover Rod		
Clearance, tank to strut - In.	<u>8.333</u>	<u>0.250</u>

TABLE III. - Continued.

MODEL COMPONENT: BODY - B<sub>26</sub>

GENERAL DESCRIPTION: Orbiter Fuselage Configuration 140 A/B

NOTE: B<sub>26</sub> identical to B<sub>24</sub> except underside of fuselage refaired to  
accept W<sub>116</sub>.

Model Scale = .030

DRAWING NUMBER: VL70-000193  
VL70-000140A

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Length (Body Fwd Sta $X_0 = 238$ ) - in.	<u>1293.3</u>	<u>38.799</u>
Max. Width (at $X_0 = 1520$ ) - in.	<u>262.0</u>	<u>7.860</u>
Max. Depth (at $X_0 = 1464$ ) - in.	<u>250.0</u>	<u>7.500</u>
Fineness Ratio	<u>0.26357</u>	<u>0.26357</u>
Area - ft <sup>2</sup>		
Max. Cross-Sectional	<u>340.88462</u>	<u>0.30679</u>
Planform	<u>          </u>	<u>          </u>
Wetted	<u>          </u>	<u>          </u>
Base	<u>          </u>	<u>          </u>

TABLE III. - Continued.

MODEL COMPONENT: CANOPY - C9

GENERAL DESCRIPTION: Configuration 3A

Model Scale = 1:030

DRAWING NUMBER

VL70-000140A

VL70-000142A

DIMENSION:

FULL SCALE

MODEL SCALE

Length ( $X_0=434.643$  to  $670$ )

235.357

7.06071

Max Width ( $X_0=513.127$ )

152.412

4.57236

Max Depth ( $X_0=485.0$ )

25.000

0.75000

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base

TABLE III. - Continued.

MODEL COMPONENT: ELEVON - E26GENERAL DESCRIPTION: Configuration 4NOTE: VL70-000400 data for (1) of (2) sides. Identical to E25 except  
airfoil thicknessModel Scale = .030

DRAWING NUMBER:

VL70-000200  
VL70-000140 BDIMENSIONS:FULL-SCALEMODEL SCALE

Area

223.58140.20122

Span (equivalent)

368.3411.05020

Inb'd equivalent chord

119.6233.58869

Outb'd equivalent chord

55.19221.65577Ratio movable surface chord/  
total surface chord

At Inb'd equiv. chord

0.20960.2096

At Outb'd equiv. chord

0.40040.4004

Sweep Back Angles, degrees

0.000.00

Leading Edge

-10.056-10.056

Tailing Edge

0.000.00

Hingeline

Area Moment (Normal to hinge line)

851.15020.76604

TABLE III. - Continued.

MODEL COMPONENT: Body Flap - F<sub>8</sub>

GENERAL DESCRIPTION: Configuration 4

Model Scale - .030  
DRAWING NUMBER VL70-000140B, VL70-000200

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length in.	<u>84.7</u>	<u>2.541</u>
Max Width in.	<u>262.308</u>	<u>7.86924</u>
Max Depth in.	<u>23.000</u>	<u>0.69000</u>
Fineness Ratio	<u></u>	<u></u>
Area - ft <sup>2</sup>	<u></u>	<u></u>
Max Cross-Sectional	<u></u>	<u></u>
Planform	<u>158.85350</u>	<u>0.14297</u>
Wetted	<u></u>	<u></u>
Base	<u>41.89642</u>	<u>0.03771</u>

TABLE III. - Continued.

MODEL COMPONENT: OMS POD - M7

GENERAL DESCRIPTION: Configuration 3A

Model Scale = .030

DRAWING NUMBER

VL70-000140A

VL70-000145

DIMENSION:

FULL SCALE

MODEL SCALE

Length (OMS Fwd Sta  $X_0=1233.0$ ) - IN.

327.000

9.810

Max Width (@  $X_0=1450.0$ ) - IN.

94.5

2.8350

Max Depth (@  $X_0=1493.0$ ) - IN.

109.000

3.270

Fineness Ratio

Area

Max Cross-Sectional

Planform

Wetted

Base



TABLE III. - Continued.

MODEL COMPONENT: BSRM NOZZLES - N25GENERAL DESCRIPTION: Configuration 3A BSRM Nozzles

Model Scale = .030

DRAWING NO.

VL72-000036A  
VL77-000036A

## DIMENSIONS

## FULL-SCALE

## MODEL SCALE

MACH NO. \_\_\_\_\_

DIAMETER DEX ~ IN (One Nozzle)

141.34.2390

DIAMETER DT ~ IN

DIAMETER DIN ~ IN

ON ~ DEGREES

AREA - FT<sup>2</sup> (One Nozzle)

MAX CROSS-SECTIONAL

108.895950.09801

GIMBAL ORIGIN

X<sub>0</sub>Y<sub>0</sub>Z<sub>0</sub>

LEFT NOZZLE ~ IN. F.S.

1825.3-243400

RIGHT NOZZLE ~ IN. FS

1825.3+243400

NULL POSITION - DEG.

PITCHYAW

LEFT NOZZLE

+8+8

RIGHT NOZZLE

+8+8

TABLE III. - Continued.

MODEL COMPONENT: NOZZLES - N28GENERAL DESCRIPTION: Configuration 3A OMS NozzleModel Scale = .030DRAWING NO. VL70-000140A

DIMENSIONS	FULL-SCALE	MODEL SCALE
MACH NO. _____		
DIAMETER DEX ~ IN (One nozzle)	_____	_____
DIAMETER DT ~ IN	_____	_____
DIAMETER DIN ~ IN	_____	_____
ON ~ DEGREES	_____	_____
AREA - Ft <sup>2</sup> (one nozzle)		
MAX CROSS-SECTIONAL	_____	_____
GIMBAL ORIGIN	<u>X<sub>0</sub></u>	<u>Y<sub>0</sub></u> <u>Z<sub>0</sub></u>
LEFT NOZZLE ~ IN.	<u>1518.0</u>	<u>-88.0</u> <u>492.0</u>
RIGHT NOZZLE ~ IN.	<u>1518.0</u>	<u>+88.0</u> <u>492.0</u>
NULL POSITION	<u>PITCH</u>	<u>YAW</u>
LEFT NOZZLE (Null Pitch 15°49'; Yaw 12°17' OUTB'D)	<u>±8°</u>	<u>13°17' OUTB'D</u> <u>2°30' INB'D</u>
RIGHT NOZZLE (Null Pitch 15°49'; Yaw 12°17' OUTB'D)	<u>±8°</u>	<u>13°17' OUTB'D</u> <u>2°17' INB'D</u>

TABLE III. - Continued.

MODEL COMPONENT: RUDDER - R5GENERAL DESCRIPTION: 2A, 3 and 3A Configuration per Rockwell LinesVL70-000095Model Scale = .030DRAWING NUMBER: VL70-000095

<u>DIMENSIONS:</u>	<u>FULL-SCALE</u>	<u>MODEL SCALE</u>
Area - FT <sup>2</sup>	<u>106.38</u>	<u>0.09574</u>
Span (equivalent) - IN.	<u>201.0</u>	<u>6.0300</u>
Inb'd equivalent chord	<u>91.585</u>	<u>2.74755</u>
Outb'd equivalent chord	<u>50.833</u>	<u>1.52499</u>
Ratio movable surface chord/ total surface chord		
At Inb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
At Outb'd equiv. chord	<u>0.400</u>	<u>0.400</u>
Sweep Back Angles, degrees		
Leading Edge	<u>34.83</u>	<u>34.83</u>
Tailing Edge	<u>26.25</u>	<u>26.25</u>
Hingeline	<u>34.83</u>	<u>34.83</u>
Area Moment (Normal to hinge line)- FT <sup>3</sup>	<u>526.13</u>	<u>0.01420</u>
Product of Area and Mean Chord		

TABLE III. - Continued.

MODEL COMPONENT: BOOSTER SOLID ROCKET MOTOR - S<sub>12</sub>GENERAL DESCRIPTION: Configuration 3A, Data for (1) of (2) sides,  
per Rockwell Lines VL77-000036AModel Scale = .030DRAWING NUMBER VL72-000088A  
VL77-000036A

<u>DIMENSION:</u>	<u>FULL SCALE</u>	<u>MODEL SCALE</u>
Length (Includes Nozzle) - IN.	<u>1741.0</u>	<u>52.2300</u>
Max Width (Tank Dia) - IN.	<u>142.3</u>	<u>4.2690</u>
Max Depth (Aft Shroud) - IN.	<u>192.0</u>	<u>5.7600</u>
Fineness Ratio	<u>9.06771</u>	<u>9.06771</u>
Area - FT <sup>2</sup>		
Max Cross-Sectional	<u>201.06193</u>	<u>0.18096</u>
Planform	<u>                    </u>	<u>                    </u>
Wetted	<u>                    </u>	<u>                    </u>
Base	<u>                    </u>	<u>                    </u>
WP of BSRM Centerline (Z <sub>T</sub> ) - IN.	<u>400</u>	<u>12.000</u>
FS of BSRM Nose (X <sub>T</sub> ) - IN.	<u>200</u>	<u>6.000</u>

TABLE III. - Continued.

MODEL COMPONENT: EXTERNAL TANK - T12GENERAL DESCRIPTION: External Oxygen Hydrogen TankNOTE: Identical to T11 with external fuel lines addedModel Scale = .030

DRAWING NUMBER

VL78-000031AVL78-000041ADIMENSION:FULL SCALEMODEL SCALELength - IN. (Nose @  $X_T = 309$ )186557.629

Max Width (Dia) - IN.

3249.72

Max Depth

Fineness Ratio

5.756175.75617Area - FT<sup>2</sup>

Max Cross-Sectional

572.55517.177

Planform

Wetted

Base

WP of Tank Centerline ( $X_T$ ) - IN.400.0

TABLE III. - Continued.

MODEL COMPONENT: VERTICAL - V<sub>8</sub>GENERAL DESCRIPTION: Configuration 3A

NOTE: Similar to V5 with radius on TE upper corner and LE lower corner  
 where vertical meets fuselage.

Model Scale = .030

DRAWING NUMBER:

VL70-000140AVL70-000146ADIMENSIONS:FULL-SCALEMODEL SCALETOTAL DATA

Area (Theo) Ft <sup>2</sup>	<u>413.253</u>	<u>0.37193</u>
Planform		
Span (Theo) In	<u>315.720</u>	<u>2.47160</u>
Aspect Ratio	<u>1.675</u>	<u>1.675</u>
Rate of Taper	<u>0.507</u>	<u>0.507</u>
Taper Ratio	<u>0.40399</u>	<u>0.40399</u>
Sweep Back Angles, degrees		
Leading Edge	<u>45.00</u>	<u>45.00</u>
Trailing Edge	<u>25.947</u>	<u>25.947</u>
0.25 Element Line	<u>41.130</u>	<u>41.1300</u>
Chords:		
Root (Theo) WP	<u>268.500</u>	<u>8.05500</u>
Tip (Theo) WP	<u>108.470</u>	<u>3.25410</u>
MAC	<u>199.80756</u>	<u>5.99423</u>
Fus. Sta. of .25 MAC	<u>1463.50</u>	<u>43.9050</u>
W. P. of .25 MAC	<u>635.522</u>	<u>19.06566</u>
B. L. of .25 MAC	<u>0.00</u>	<u>0.00</u>
Airfoil Section		
Leading Wedge Angle Deg	<u>10.00</u>	<u>10.00</u>
Trailing Wedge Angle Deg	<u>14.922</u>	<u>14.922</u>
Leading Edge Radius (Min) - IN.	<u>2.00</u>	<u>0.060</u>
Void Area	<u>13.17</u>	<u>0.01185</u>
Blanketed Area	<u>0.00</u>	<u>0.00</u>

TABLE III. - Concluded.

MODEL COMPONENT: WING-W<sub>116</sub>GENERAL DESCRIPTION: Configuration 4NOTE: Identical to W<sub>114</sub> except airfoil thickness. Dihedral angle is along trailing edge of wing.

Model Scale = .030

TEST NO.

DWG. NO. VL70-0001408  
VL70-000200

DIMENSIONS:

FULL-SCALE

MODEL SCALE

## TOTAL DATA

Area (Theo.)  $\text{Ft}^2$ 

Planform

2690.00

2.4210

Span (Theo) In.

936.6816

28.10045

Aspect Ratio

2.265

2.265

Rate of Taper

1.177

1.177

Taper Ratio

0.200

0.200

Dihedral Angle, degrees (at  $X_0=1506.623, Y_0=$ 

3.500

3.500

Incidence Angle, degrees 105,  $Z_0=282.75$ )

0.500

0.500

Aerodynamic Twist, degrees

+3.000

+3.000

Sweep Back Angles, degrees

Leading Edge

45.00

45.00

Trailing Edge

-10.056

-10.056

0.25 Element Line

35.209

35.209

Chords:

Root (Theo) B.P.O.O.

689.2429

20.67729

Tip, (Theo) B.P.

137.8486

4.13546

MAC

474.8117

14.24435

Fus. Sta. of .25 MAC

1126.721

33.80163

W.P. of .25 MAC

291.00

8.73000

B.L. of .25 MAC

187.33491

5.62005

## EXPOSED DATA

Area (theo)  $\text{Ft}^2$ 

1812.2205

1.63010

Span, (Theo) In. BP108

736.6816

22.10045

Aspect Ratio

2.058

2.058

Taper Ratio

0.2451

0.2451

Chords

Root BP108

570.6230

17.11869

Tip  $1.00 \frac{b}{2}$ 

137.8512

4.13554

MAC

354.2376

10.62713

Fus. Sta. of .25 MAC

1164.237

34.92711

W.P. of .25 MAC

292.00

8.76000

B.L. of .25 MAC

239.67786

7.19034

Airfoil Section (Rockwell Mod NASA)  
XXXX-64Root  $b = 0.425$ 

0.113

0.113

Tip  $b = 1.00$ 

0.12

0.12

Data for (1) of (2) Sides

Leading Edge Cuff

Planform Area  $\text{Ft}^2$ 

118.333

0.10650

Leading Edge Intersects Fus M. L. @ Sta

505.0

15.15000

Leading Edge Intersects Wing @ Sta

1003.5

30.10500

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TABLE IV. - ORBITER FUSELAGE PRESSURE ORIFICE LOCATIONS

ORBITER X <sub>0</sub> IN.			RADIAL LOCATION Ø DEGREES																		
FULL	MODEL	X <sub>0</sub> /l <sub>0</sub>	0	20	40	55	70	90	105	110	120	135	140	150	151	156	162	165	169	174	180
235	7.05	0	6					8													9
245	7.35	.008	7					15			16			17							13
265	7.95	.023	10	11	12	13	14	24			25			26							27
295	8.85	.047	19	20	21	22	23	34			34			35							36
325	9.75	.070	28	29	30	31	32	33			43			44							45
380	11.40	.112	37	38	39	40	41	42												46	
440	13.20	.159																			
450	13.50	.167	47	48	49	50	51	52			53		66	67	57	54	58		55		56
465	13.95	.178																			
500	15.00	.205	59	60	61	62	63	64			65			67				68			69
560	16.80	.252	70		71		72	73			74			75				76			77
625	18.75	.301	78		79		80	81			82			83				84			85
725	21.75	.379	86		87		88	89			90			91				92			93
880	26.40	.499	94		95		96	97			98			99				100			101
980	29.40	.576	102		103																
1080	32.40	.653	104		105		106	107			108			109				110			111
1180	35.40	.730	112		113		114	115			116			117							118
1245	37.35	.781	119		120		121	122	123		124	125		126				127			128
1300	39.00	.823	129		130		131	132	133		134	135		136							137
1375	41.25	.882	138		139		140	141	142		143	144		145				146			
1430	42.90	.923	147		148		149	150	151		152	153		154				155			
1480	44.40	.963	156		157		158	159	160		161	162		163				164			
a 1530	45.90	1.002								165	166										
b 1530	45.90	1.002								167	168										
c 1555	46.65	1.021	169		170																
d 1590	47.70	1.048	171		172																
1590	47.70	1.048	173		174																

l<sub>0</sub> = 1293.3 full scalel<sub>0</sub> = 38.799 model

a: CMS pod, inside

b: CMS pod, outside

c: Body flap lower surface

d: Body flap upper surface

data in datasets RB1BXX



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$$\begin{array}{l} 1 \quad x/c = .19 \\ 2 \quad x/c = .34 \\ 3 \quad x/c = .03 \\ 4 \quad x/c = .045 \end{array}$$

data in data sets RBLXX (lower surface and RBLUXX (upper surface)

TABLE VI. - ORBITER VERTICAL TAIL PRESSURE ORIFICE LOCATIONS

## ORBITER VERTICAL TAIL

VERTICAL $W_L \sim Z_0$			X/C <sub>V</sub>										
FULL	MODEL	$\eta_V$		0	.025	.05	.15	.30	.52	.685	.775	.90	
550	16.50	.158	RH LE LH	316	317	324	325	326	327	328	329		
600	18.00	.316	RH LE LH	330	331	339	340	341	342	343	344	345	
690	20.70	.600	RH LE LH	346	347	355	356	357	358	359	360	361	
765	22.95	.840	RH LE LH	362	363	371	372	373	374	375	376	377	
792	23.76	.925	RH LE LH	378	379	387	388	389	390	391	392	393	
					379	380	381	382	383	384	385	386	

data in datasets RBLVXX (left side) and RBLRXX (right side)

TABLE VII. - ORBITER BASE, BODYFLAP, AND OMS NOZZLE PRESSURE ORIFICE LOCATIONS

ORBITER BASE

LOCATION	ORIFICE NUMBER
Orbiter Sting Cavity	1
Orbiter Base (Lower Left Corner)	2
OMS Nozzle Base	3

data in datasets RB1CXX

RUDDER FLARE BASE

RUDDER $\eta_L \sim Z_O$		$X/C_V$
FULL	MODEL	.75
725	18.75	4
625	21.75	5

data in datasets RB1CXX

BODY FLAP

ORBITER $\sim X_O$		$\phi \sim \text{Deg}$	
FULL	MODEL	0	40
1555	46.65	169	170
1590	47.70	173	174
1590	47.70	171	172

data in datasets RB1FXX

LEFT OMS NOZZLE SURFACE

$X \sim \text{IN. FWD. NOZZLE EXIT}$		$\phi \sim \text{DEG.}$		
FULL	MODEL	135	180	225
10	.30	175	176	177
20	.60		178	

data in datasets RB1EXX

TABLE VIII. - EXTERNAL TANK PRESSURE ORIFICE LOCATIONS

TANK STATION $\sim \lambda_T$			$\phi \sim \text{DEG.}$									
FULL SCALE	MODEL SCALE	$\frac{\lambda_T}{\lambda_T}$	0	30	60	90	120	135	150	165	180	270
309	9.27	0	503									
324	9.72	.008	504									
400	12.00	.049	508									
520	15.60	.113	515	509	510	505	512		513		506	
640	19.20	.178	523	516	517	511	519		520	521	514	
670	20.10	.194	531	524	525	526	527		528	529	522	
710	21.30	.215	539	532	533	534	535		536	537	530	
760	22.80	.242	547	540	541	542	543		544	545	538	
850	25.50	.290	556	548	549	550	551	552	553	554	546	
950	28.50	.344	565	557	558	559	560		561	562	555	
1050	31.30	.394	573	566	567	568	569	569	570	571	572	564
1150	34.50	.451	581	574	575	576	577		578	579	580	
1250	37.50	.505	590	582	583	584	585	586	587	588	589	
1350	40.50	.558	598	591	592	593	594		595	596	597	
1500	45.00	.638	607	599	600	601	602	603	604	605	606	
1700	51.00	.746	615	608	609	610	611		612	613	614	
1900	57.00	.853	624	616	617	618	619	620	621	622	623	
2040	61.20	.928	633	625	626	627	628	629	630	631	632	
TANK BASE			501	634	635		636	637	638	639	640	
STING CAVITY												502

$f_T = 1865 \text{ IN. FULL SCALE}$   
 $55.950 \text{ IN. MODEL SCALE}$

data in datasets RBITXX

TABLE IX. - SRM PRESSURE ORIFICE LOCATIONS

## LEFT SRM

SRM STATION $\sim X_S$			$\phi \sim \text{DEG.}$							
FULL SCALE	MODEL SCALE	$X_S / X_S$	0	45	90	135	180	225	270	315
200	6.00	0	805	807	808	809	810	811	812	813
260	7.80	.034	806	815	816	817	818	819	820	821
370	11.10	.098	814	823	824	825	826	827	828	829
400	12.00	.115	822	830	831	832	833	834	835	836
450	13.50	.144	829	838	839	840	841	842	843	844
550	16.50	.201	837		846		847	848	849	850
700	21.00	.287	845				853		854	
850	25.50	.373	851		852		857			
1050	31.50	.488	855		856		860			
1250	37.50	.603	858		859		863		864	
1450	43.50	.718	861		862		867		868	
1650	49.50	.833	865		866		873	874	875	876
1750	52.50	.890	869	870	871	872	881	882	883	884
1796	53.88	.917	877	878	879	880	889	890	891	892
1835	55.05	.939	885	886	887	888	897	898	899	900
1868	56.04	.958	893	894	895	896		804		
SKIRT BASE			802			803				
NOZZLE BASE			801							
NOZZLE EXTERNAL PRESSURES										
1850	55.50	.948	901	902	903	904	905	906	907	908
1905	57.15	.979	909	910	911	912	913	914	915	916
1923	57.84	.993	917	918	919	920	921	922	923	924

$R_S = 1741 \text{ IN. FULL SCALE}$   
 $52.53 \text{ IN. MODEL SCALE}$

data in datasets RB1SXX

TABLE X. - ORBITER ATTACH POINT PRESSURE ORIFICE LOCATIONS

		ORBITER ATTACH POINT ORIFICE LOCATIONS															
	FULL $X_o$ SCALE	347	357	367	377	387	397	407	1252	1262	1272	1282	1292	1302	1312	1322	1332
	$X_o$ MODEL	10.41	10.71	11.01	11.31	11.61	11.91	12.21	37.56	37.86	38.16	38.46	38.76	39.06	39.36	39.96	40.26
	$X_o/Y_o$	.087	.095	.102	.110	.118	.126	.133	.788	.796	.804	.811	.819	.827	.835	.850	.858
$\eta$	F.S. MODEL $Y_o$	394	397					412				436	447		468	474	480
.021	10		396	399	403	407	411	415				435	446	457	467	475	479
.043	20		395	398	402	406	410	414				434	445	456	466	472	478
.064	30				401	405	409	413				435	444	455	465	471	477
.085	40											432	443	454	464	470	476
.107	50															469	475
.149	69.75											431	442	453	463		
.170	79.75										424	430	441	452	462		
.192	89.75									419	423	429	440	451	461		
.213	99.75								416	418	422	426					
.234	109.75									417	421	427	439	450	460		
.250	119.75										420	426	438	449	459		
.277	129.75											425	437	448	458		

data in datasets RB11XX

TABLE XI. - EXTERNAL TANK ATTACH POINT PRESSURE ORIFICE LOCATIONS

X <sub>T</sub> Full Scale	1103	1093	1083	1073	1063	1053	1043	
X <sub>T</sub> Model Scale	33.09	32.79	32.49	32.19	31.89	31.59	31.29	
X <sub>T</sub> /l <sub>T</sub>	.424	.419	.413	.408	.402	.397	.391	
								Ø DEG.
FWD ATTACH POINT (ORBITER TO E-T)	684	676	668	660				182.84
	685	677	669	661				136.38
	686	678	670	662	655			189.92
	687		671	663	656	652		193.46
	688	680			657	653	651	197.0
	689	681	673	665	658	654		200.54
	690	682	674	666	659			204.08
	691	683	675	667				207.62

data in datasets RB12XX

TABLE XI. - EXTERNAL TANK ATTACH POINT PRESSURE ORIFICE LOCATIONS  
(CONTINUED)

FWD DRAG LINK ATTACH POINT	$X_T$ FULL SCALE	1874	1864	1854	1844	1834	1824	1814	
	$X_T$ MODEL SCALE	56.22	55.92	55.62	55.32	55.02	54.72	54.42	
	$X_T/l_T$	.839	.834	.828	.823	.818	.812	.807	
									$\phi \sim$ DEG.
		719	713	707					222.84
		720	714	708	701				226.38
		721	715	709	702	696			229.92
		722		710	703	697	693		233.46
					704	698	694	692	237.00
						699	695		240.54
		723	718	712	706	700			244.08

data in datasets RB12XX



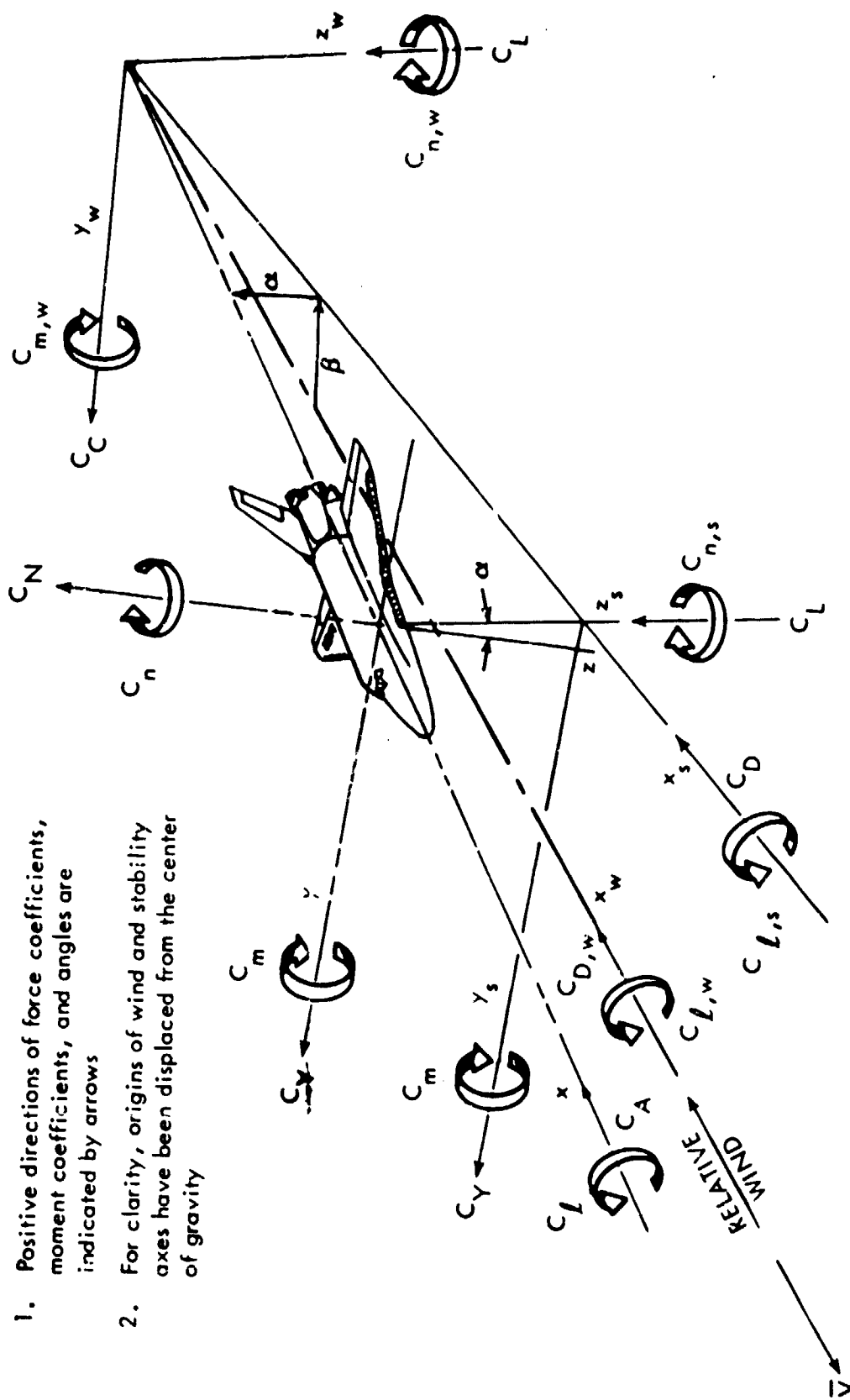
TABLE XI. - EXTERNAL TANK ATTACH POINT PRESSURE ORIFICE LOCATIONS  
(CONCLUDED)

AFT UPPER ATTACH	$X_T$ FULL SCALE	2078	2068	2058	2048	2038	2028	2018	
	$X_T$ MODEL SCALE	62.34	62.04	61.74	61.44	61.14	60.84	60.54	
	$X_T/\rho_T$	.948	.943	.938	.932	.927	.921	.916	
									$\emptyset \sim$ DEG.
		777	766	754					234.04
		778	767	755	742				237.58
		779	768	756	743	732			241.12
		780	769		744	733	726		244.66
		781	770		745	734	727	724	248.2
					746	735	728		251.74
			771	759	747	736			255.28
		782	772	760					323.51
		783	773	761	748				327.05
		784	774	762	749	737			330.59
		785	775		750	738	729		334.13
AFT LOWER ATTACH		786	776		751	739	730	725	337.67
					752	740	731		341.21
				765	753	741			344.75

data in datasets RB12XX

# Notes:

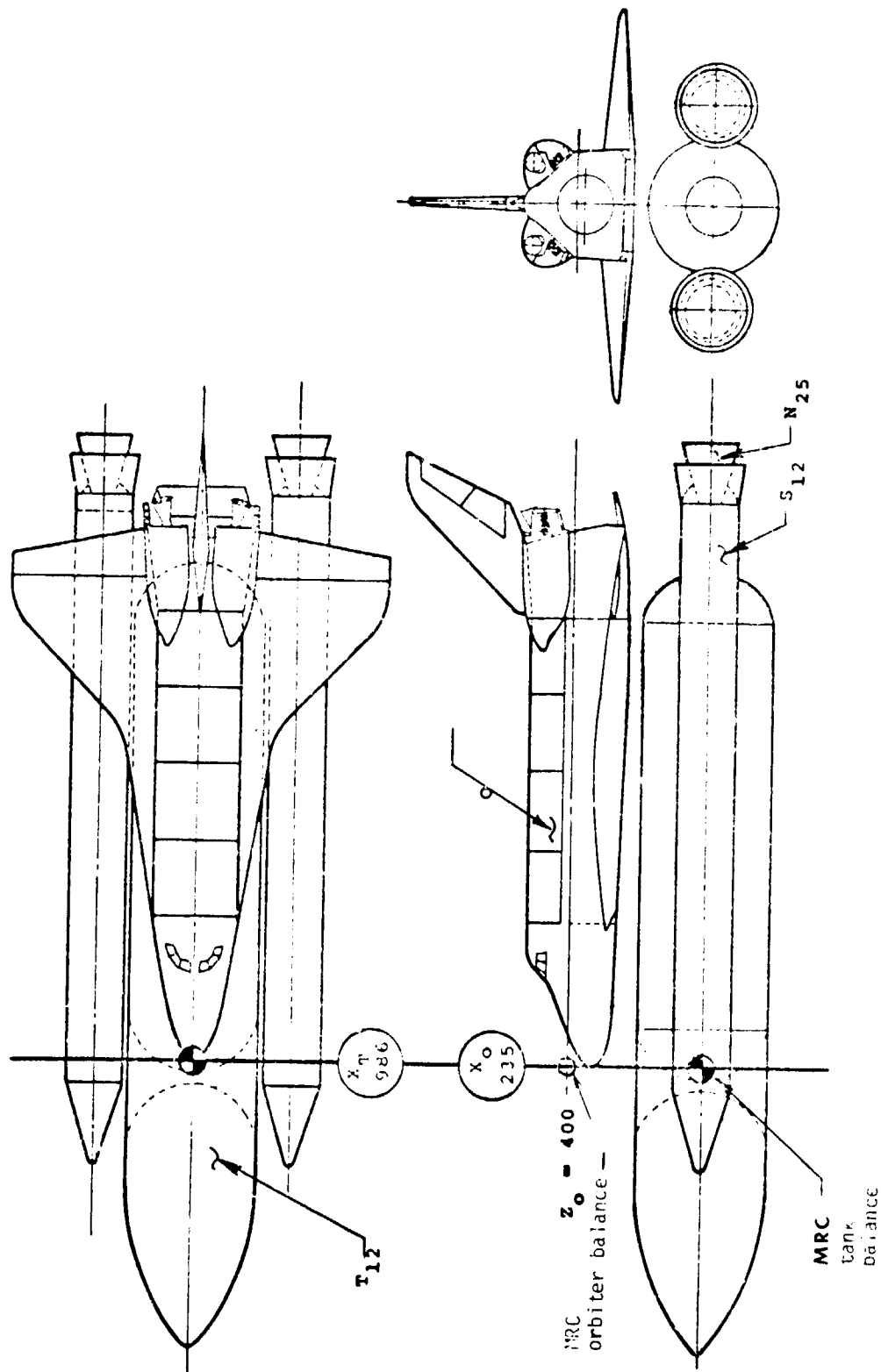
1. Positive directions of force coefficients, moment coefficients, and angles are indicated by arrows
2. For clarity, origins of wind and stability axes have been displaced from the center of gravity



a. Stability and body axis systems  
Figure 1. - Axis Systems



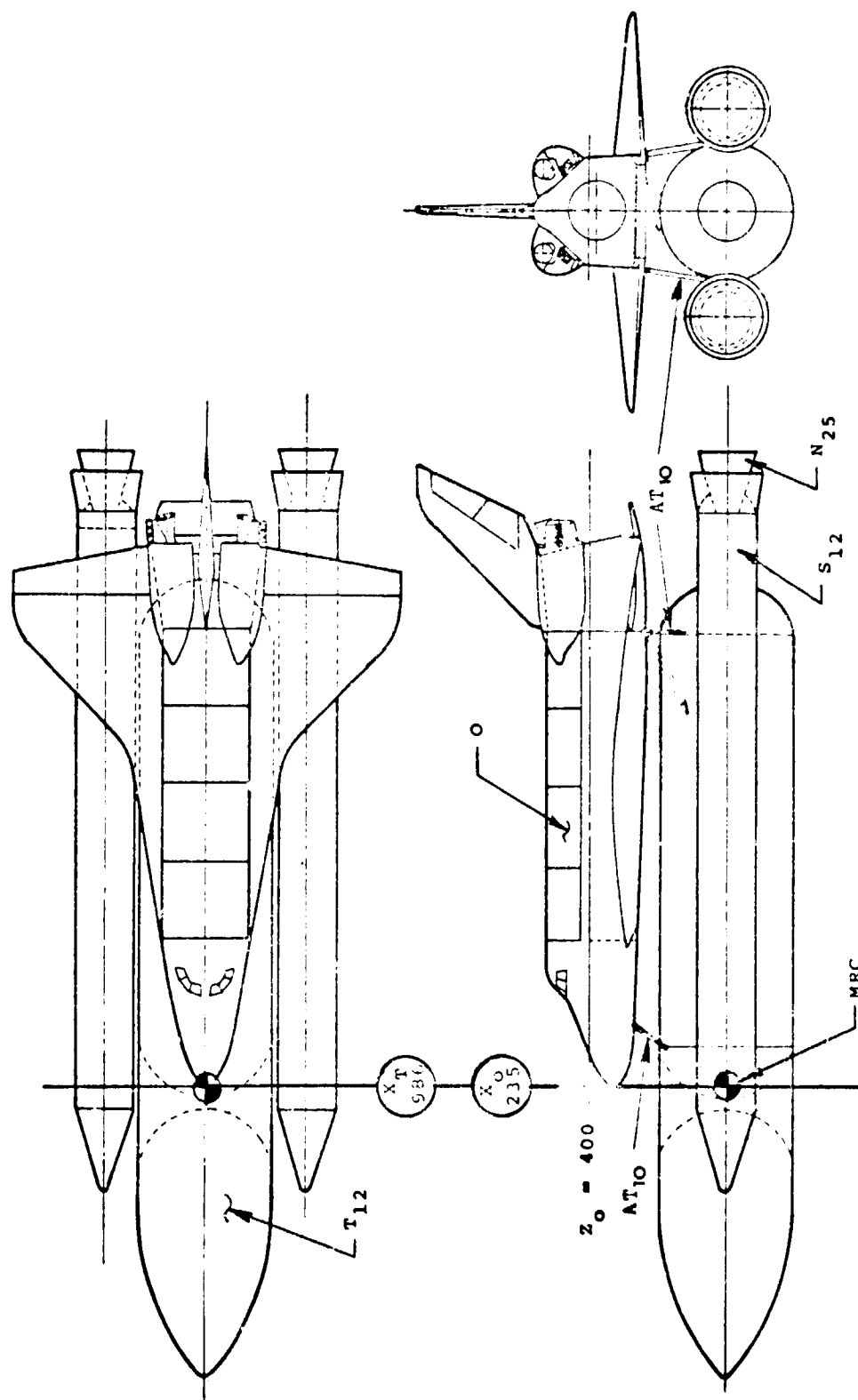
LV



a. Integrated vehicle - 2 balances, no attach structure

Figure 2. - Model Sketches

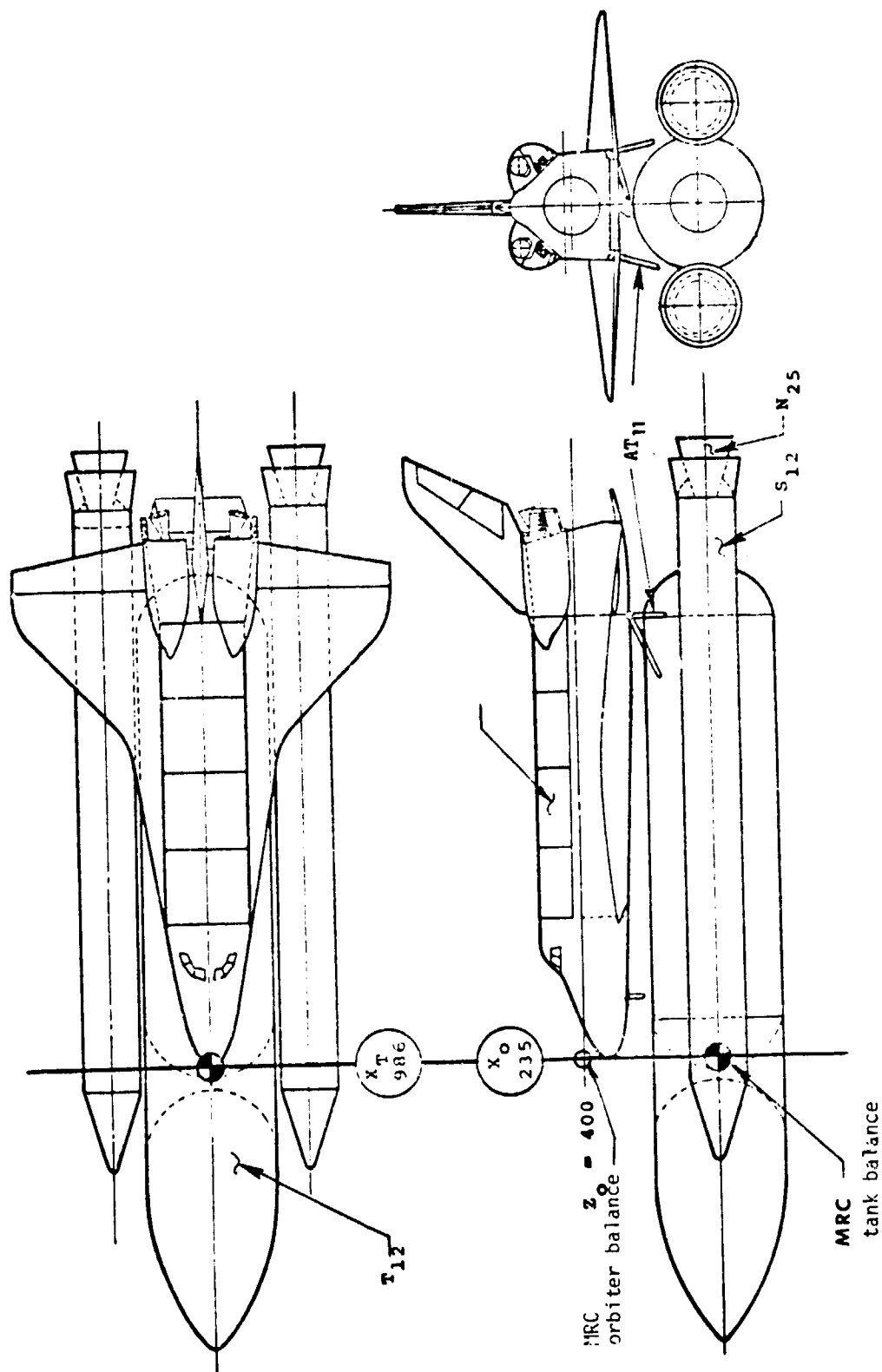
LVAP



b. Integrated vehicle - 1 balance with attach structure

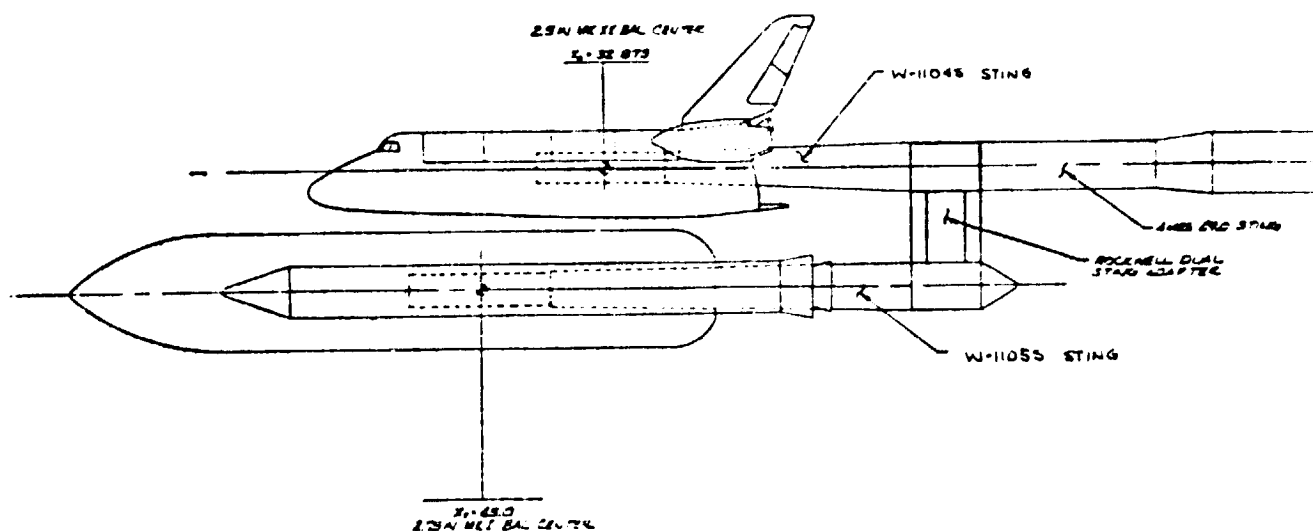
Figure 2. - Continued

LVAP

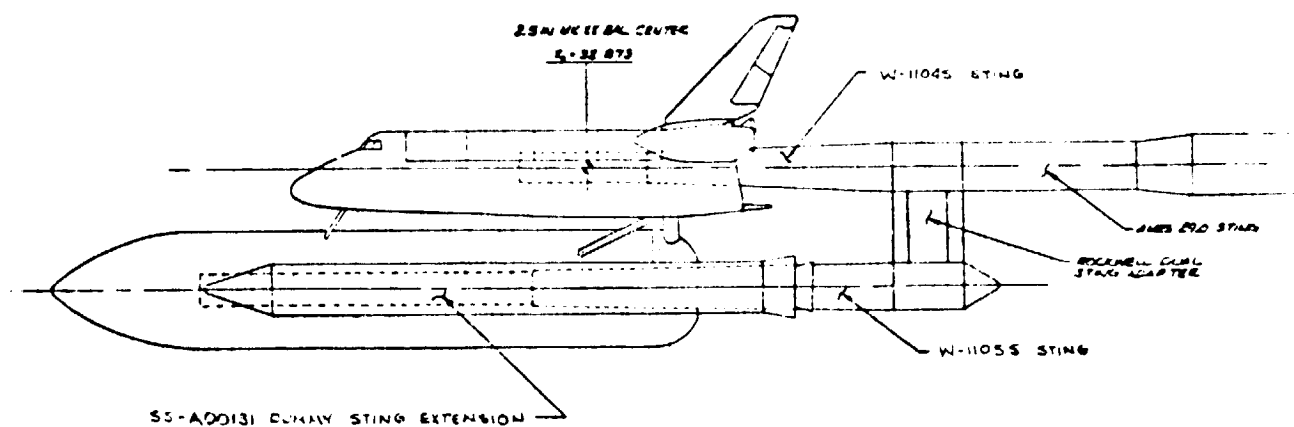


c. Integrated vehicle - 2 balances with attach structure

Figure 2. - Continued



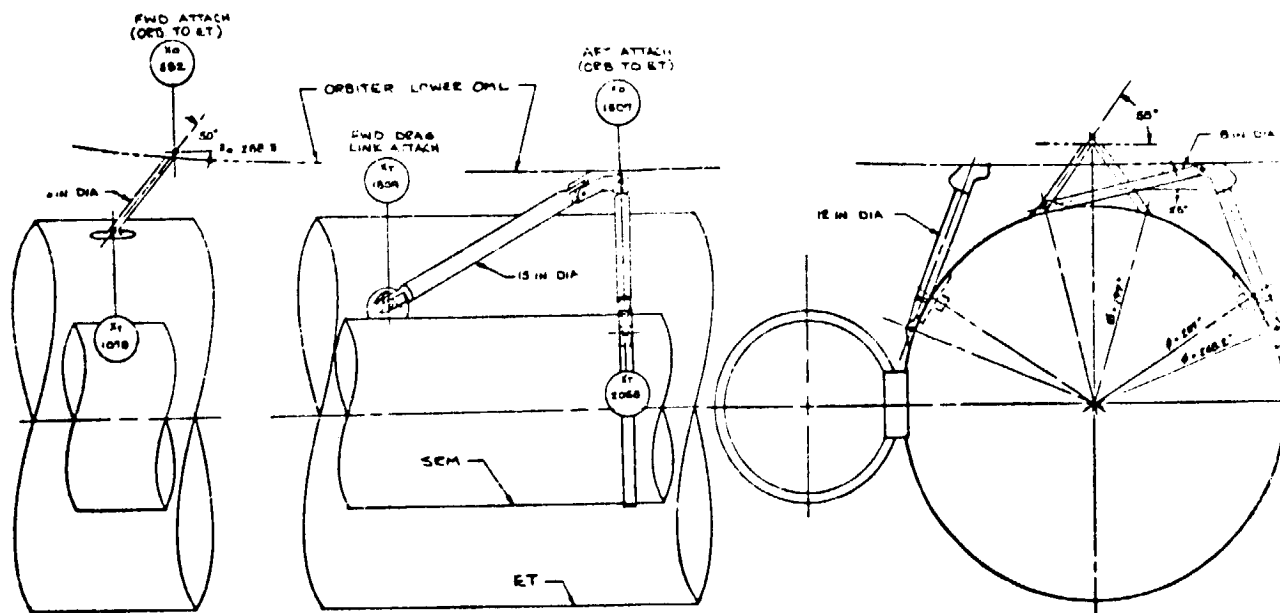
DUAL BALANCE CONFIGURATION ~ LV & LVAP



SINGLE BALANCE CONFIGURATION ~ LVA

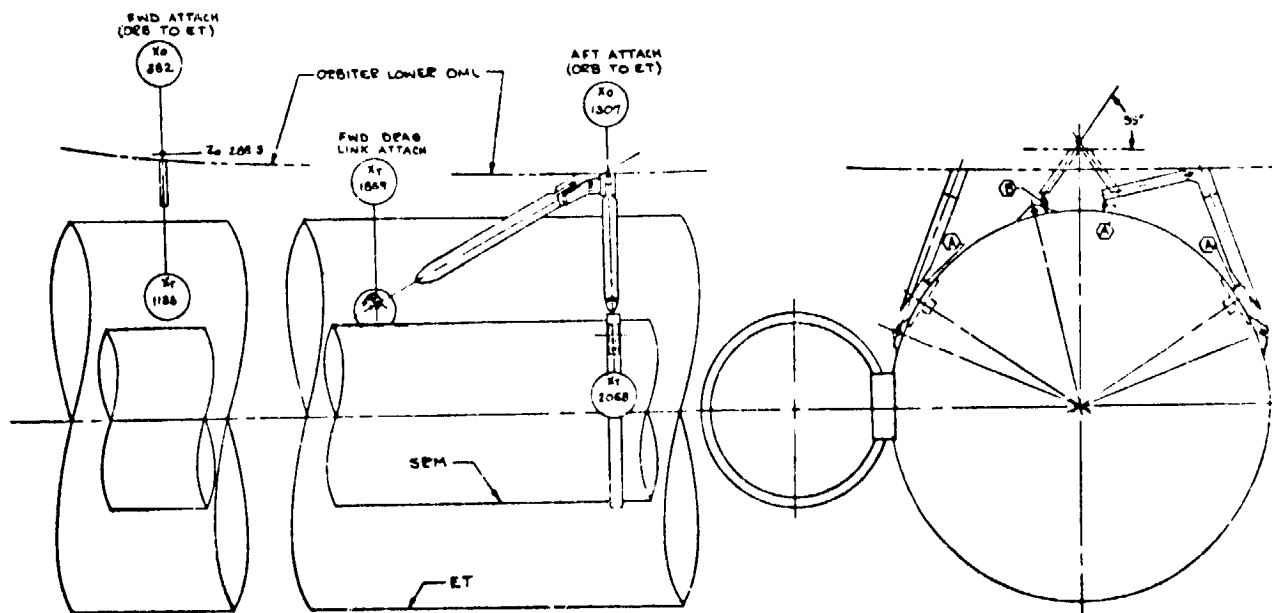
d. Installation side views

Figure 2. - Continued



ATTACH HARDWARE CONFIGURATION - AT10

ATTACH HARDWARE CONFIGURATION - AT11

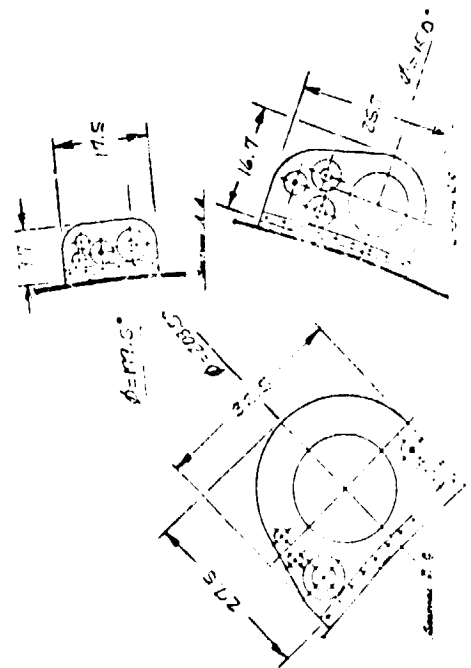
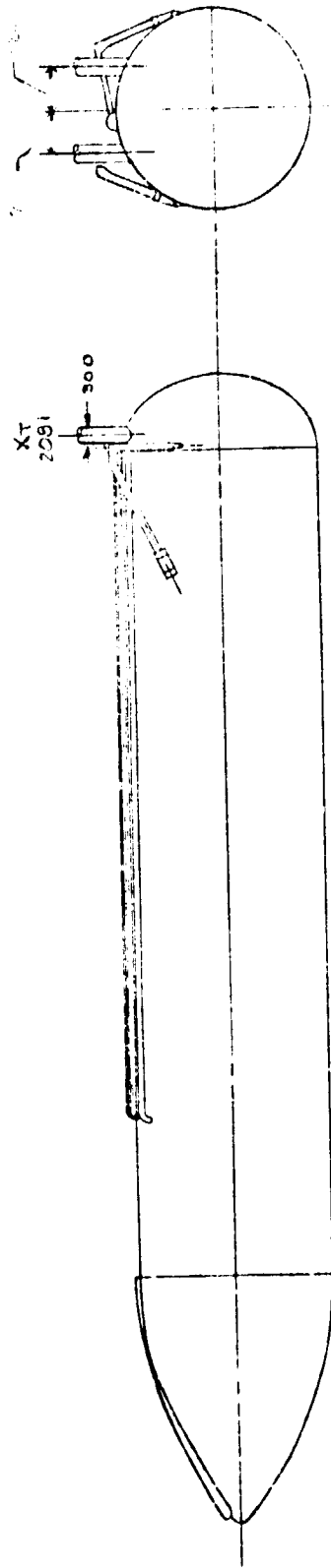
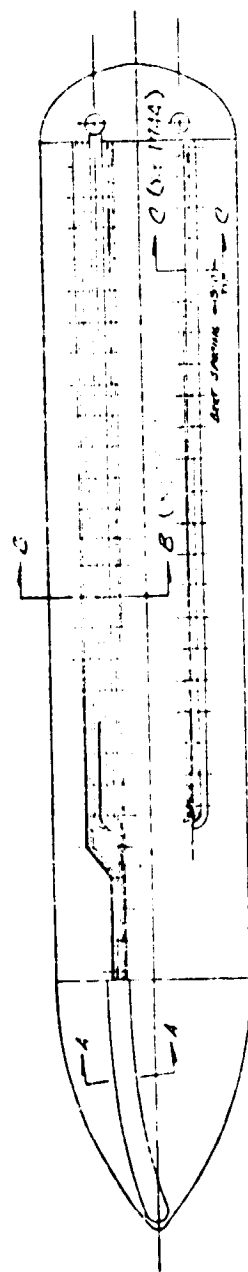


Ⓐ 8.33 IN CLEARANCE  
Ⓑ 16.67 IN CLEARANCE

e. Attach hardware

Figure 2. Continued





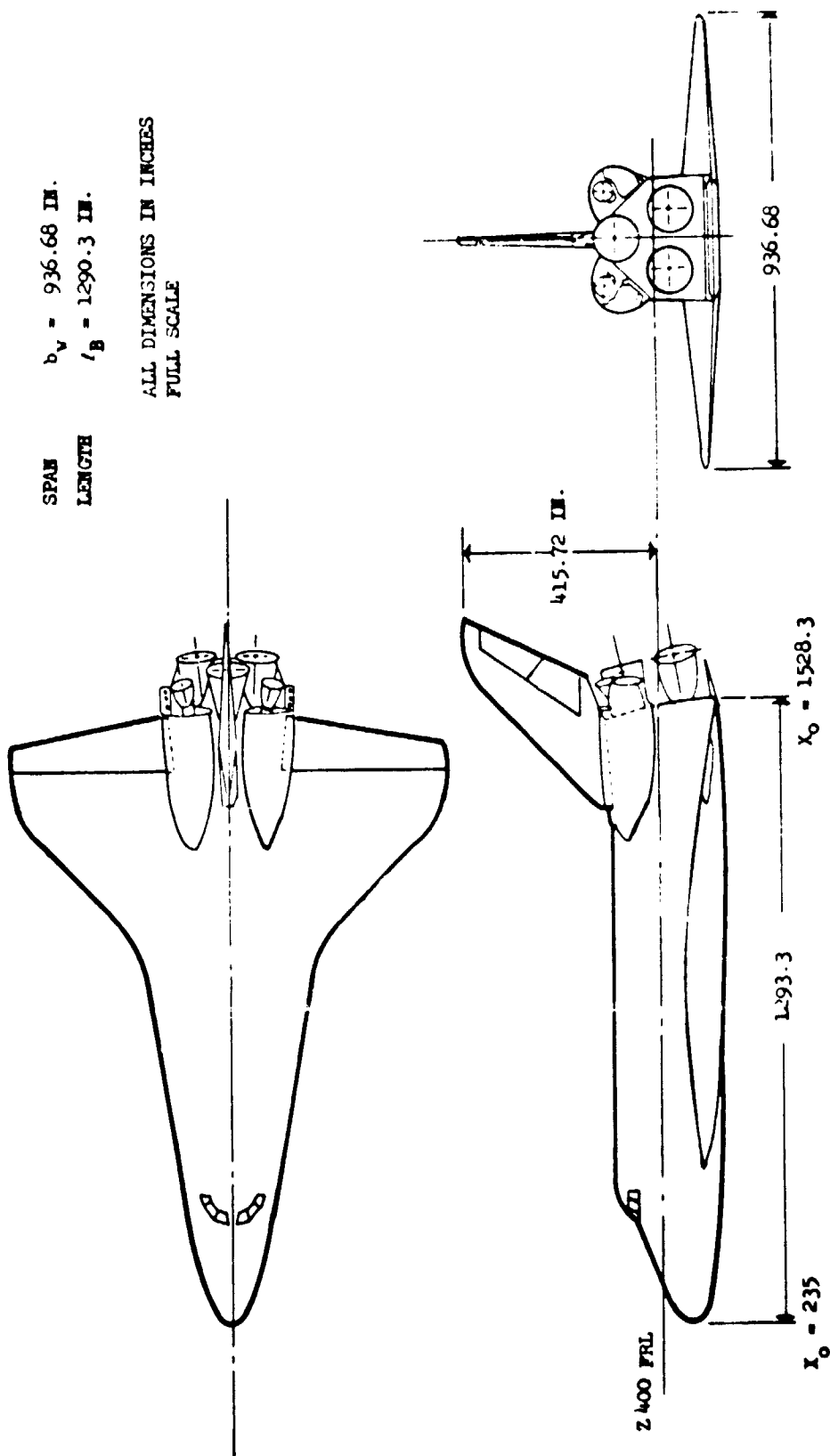
f. External tank protuberances  
Figure 2. - Continued

REFERENCE DIMENSIONS (FS)

AREA  $S_v = 2690 \text{ FT}^2$   
 MAC  $C = 474.8 \text{ IN.}$

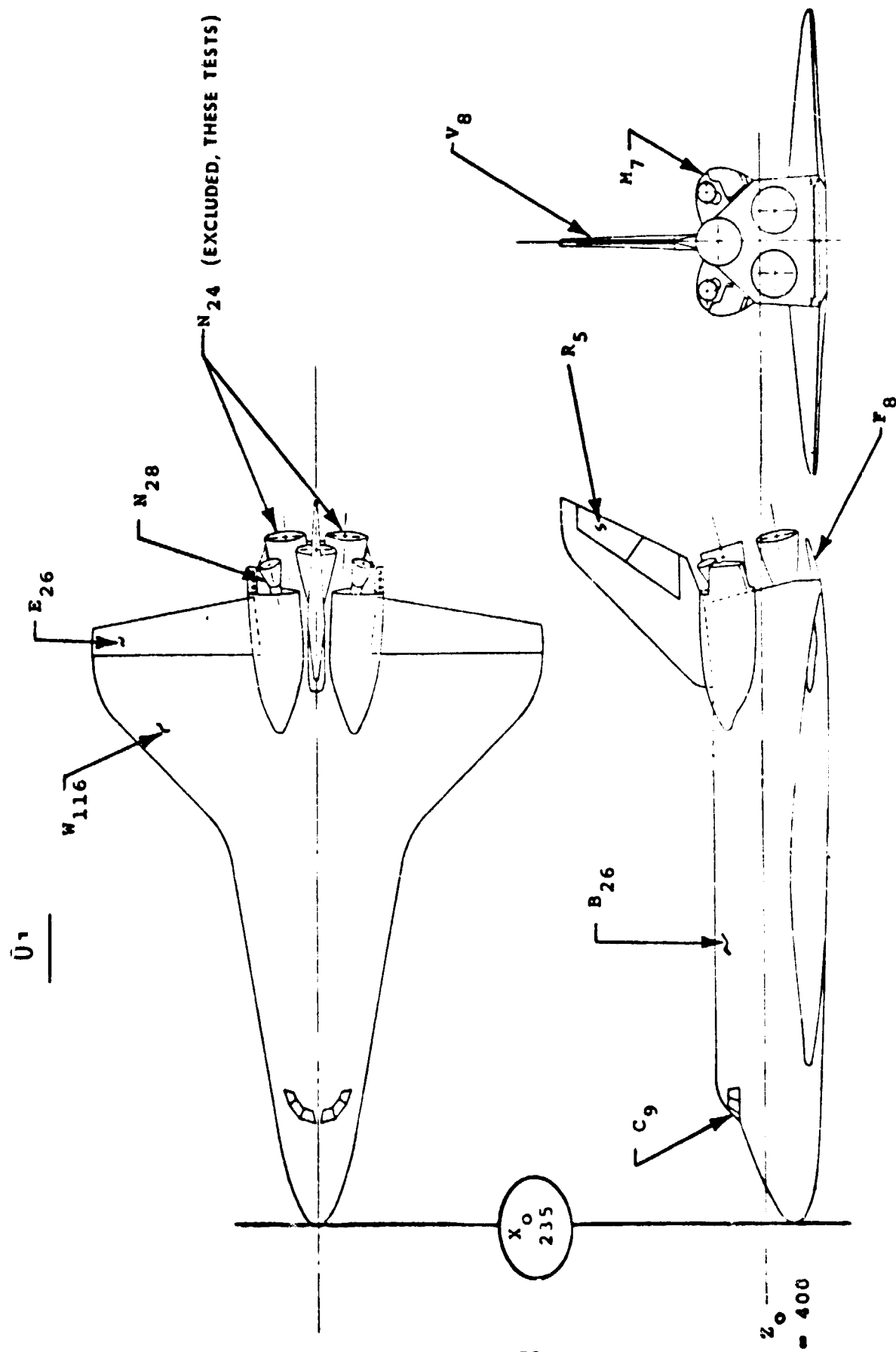
SPAN  $b_v = 936.68 \text{ IN.}$   
 LENGTH  $l_B = 1290.3 \text{ IN.}$

ALL DIMENSIONS IN INCHES  
 FULL SCALE

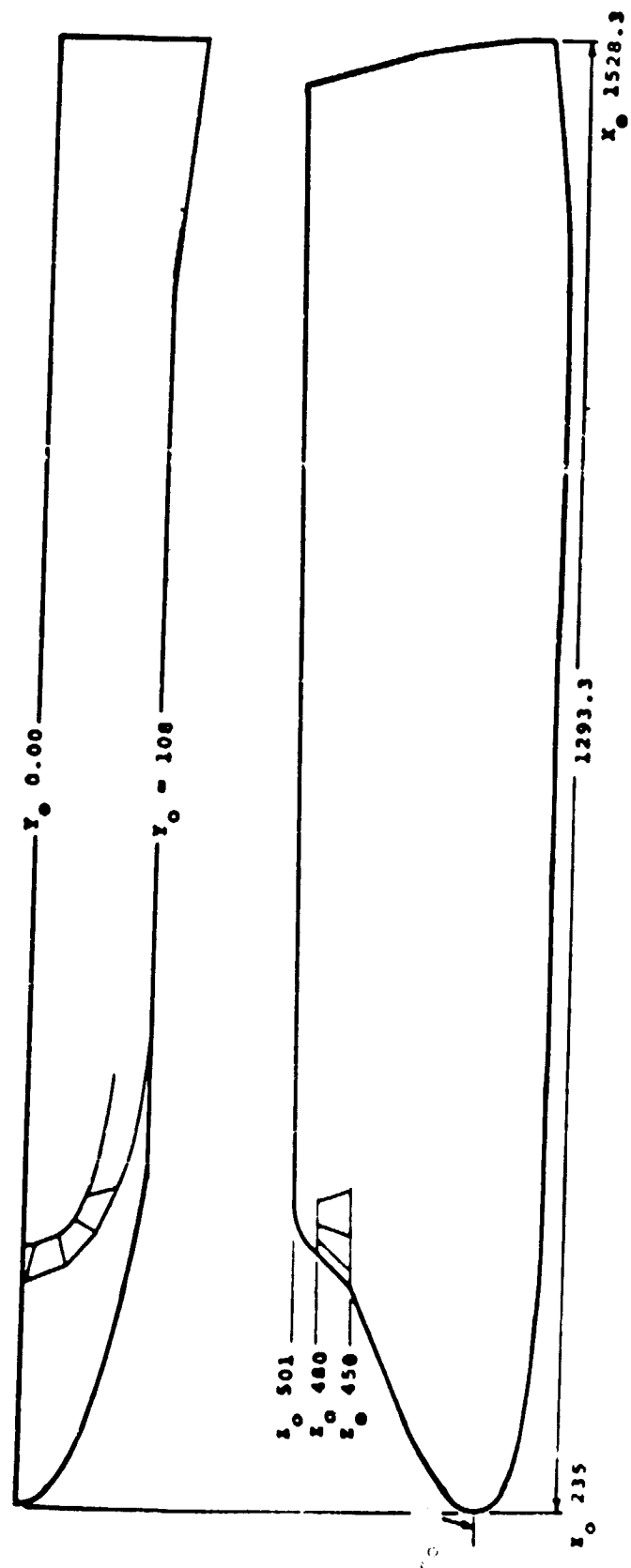


g. SSV orbiter configuration 140A/B

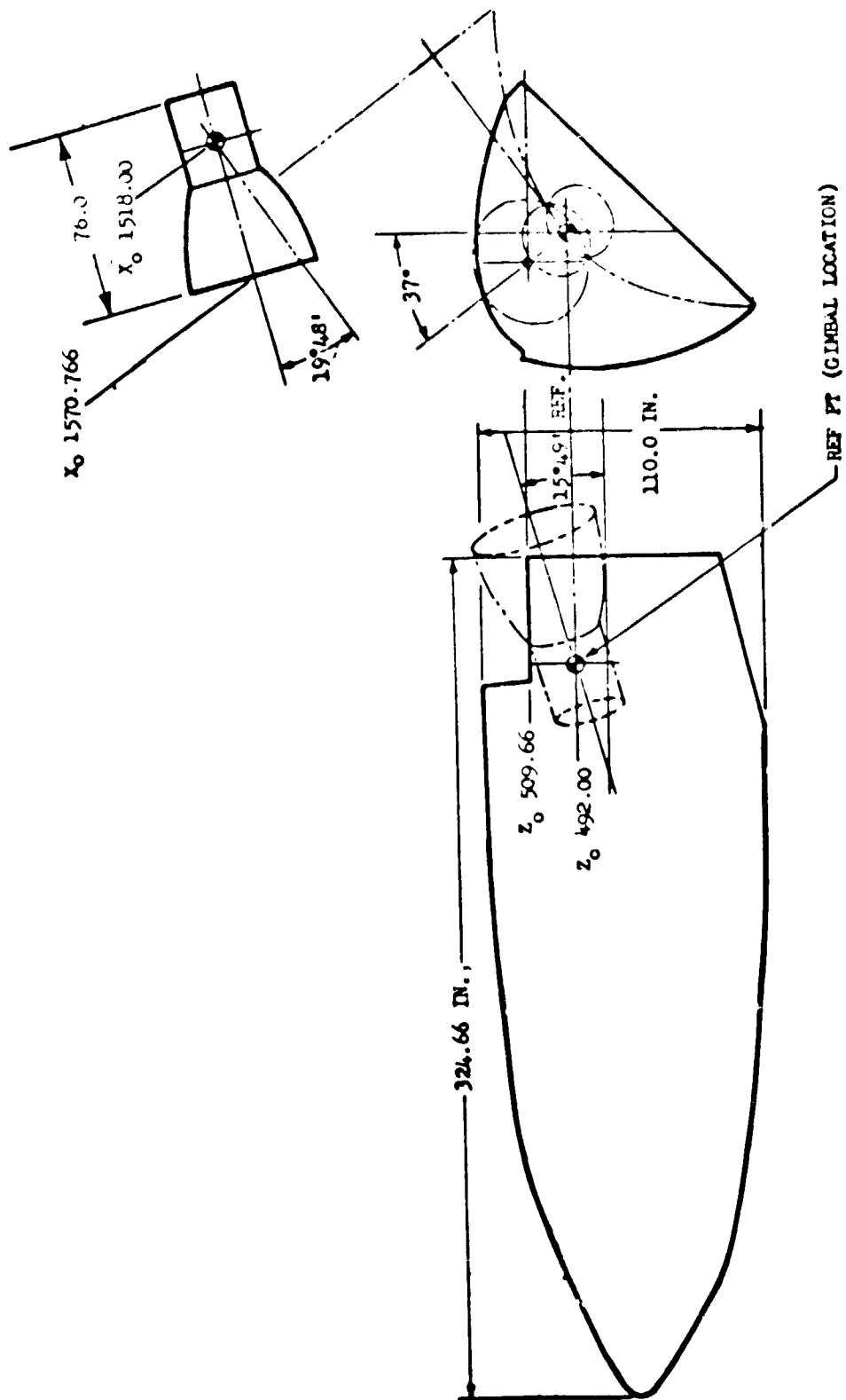
Figure 2. - Continued



h. Orbiter nomenclature  
Figure 2. - Continued

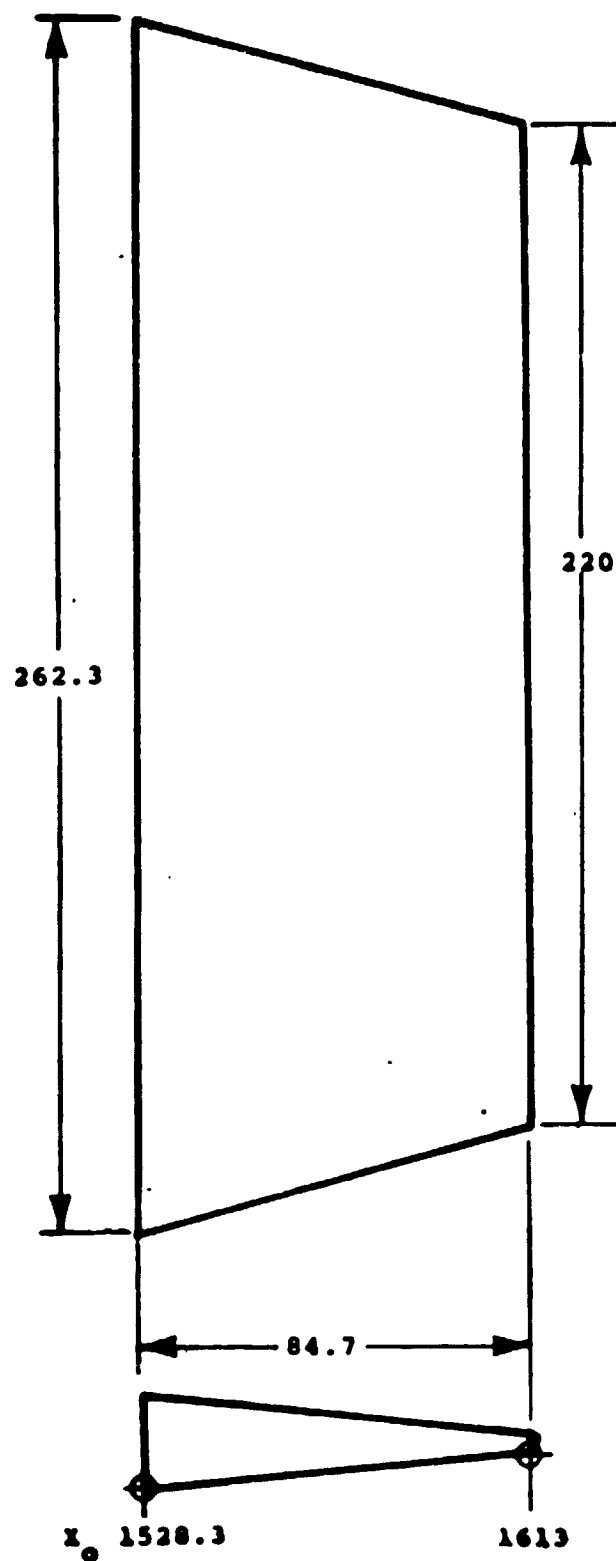


i. Canopy,  $C_g$ , and body,  $B_{26}$ , lines drawing VL70-00193 and VL70-000140A/B  
Figure 2. - Continued



j. M7 - QMS Pod

Figure 2. - Continued



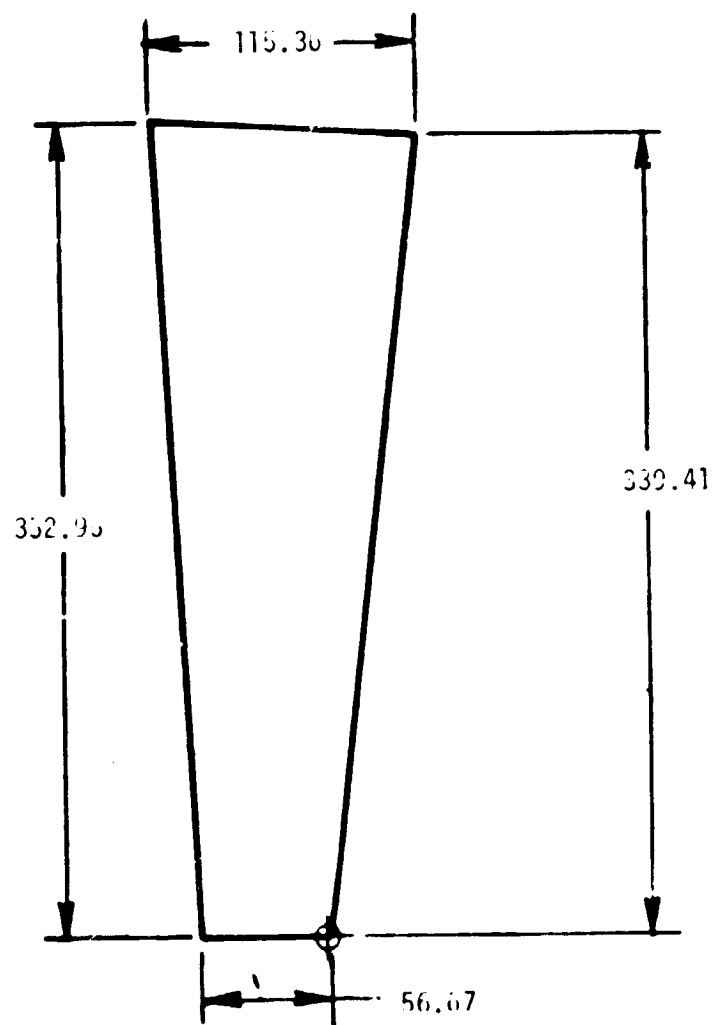
k. Body flap,  $F_g$ , lines drawing no. VL70-000140A/B

Figure 2. - Continued



1. Wing, W116, lines drawing no. VL70-000200

Figure 2. - Continued

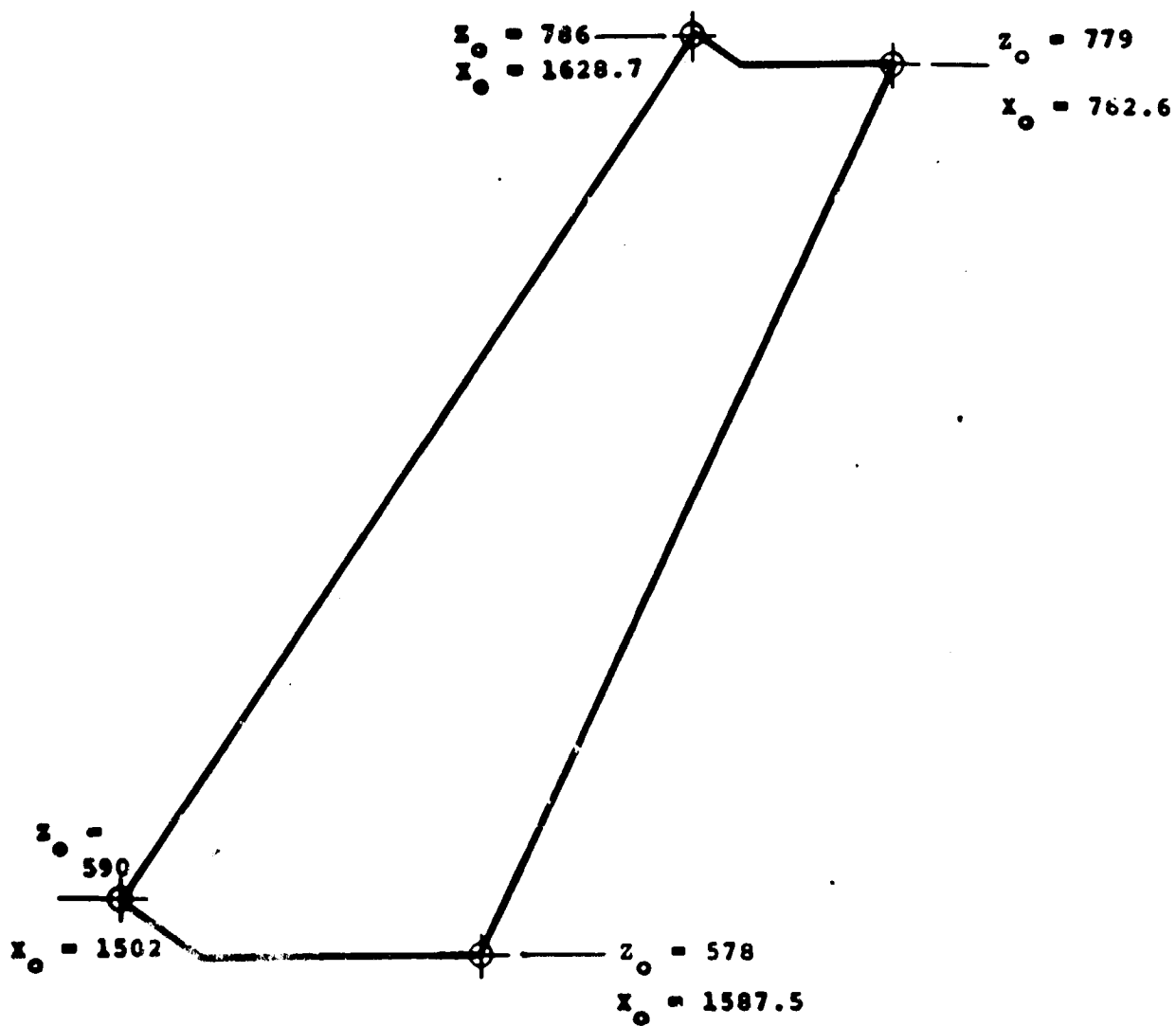


m. Elevon, E<sub>26</sub>, lines drawing no. VL70-000200, VL70-000140A/B

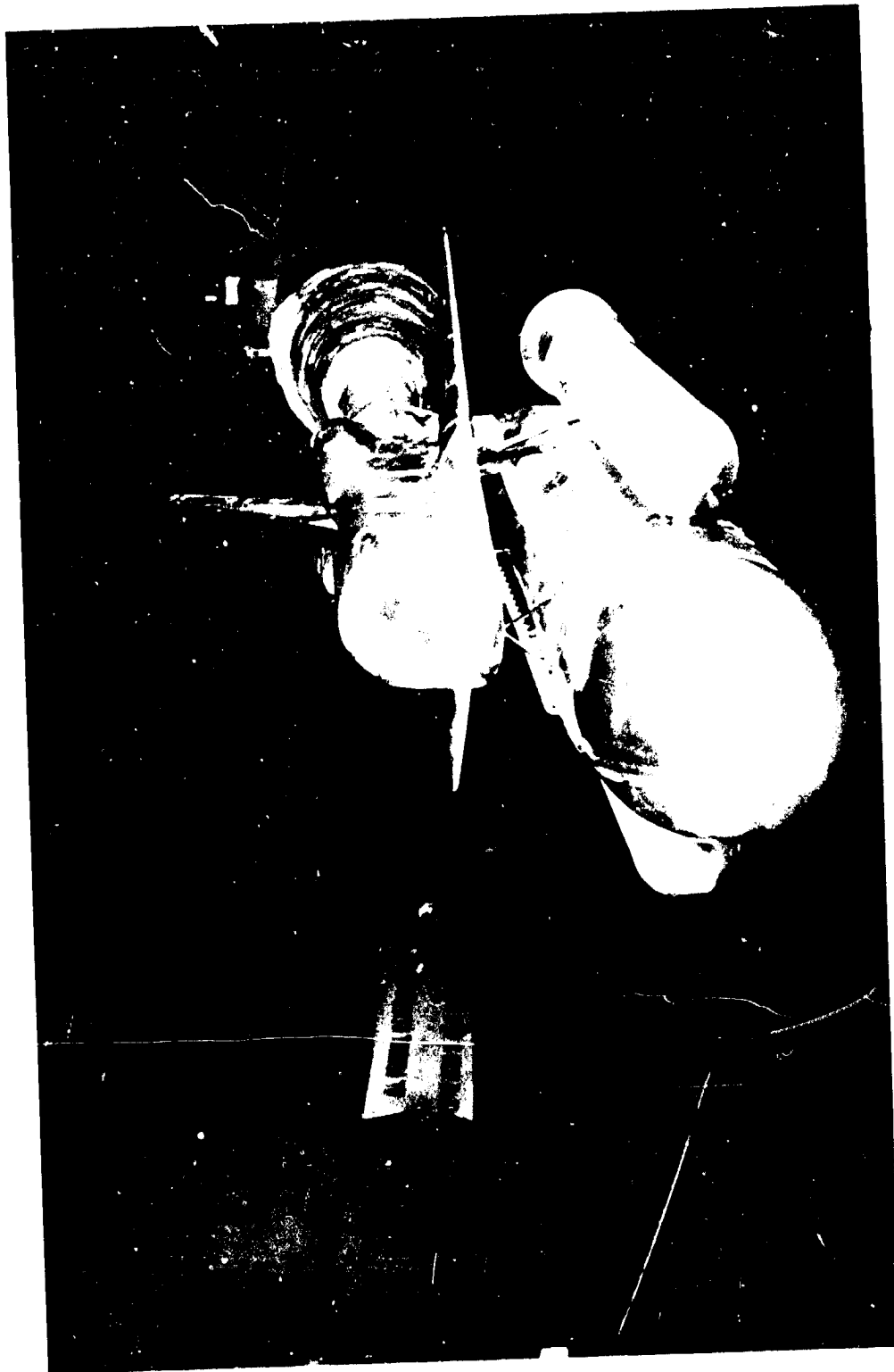
Figure 2. - Continued





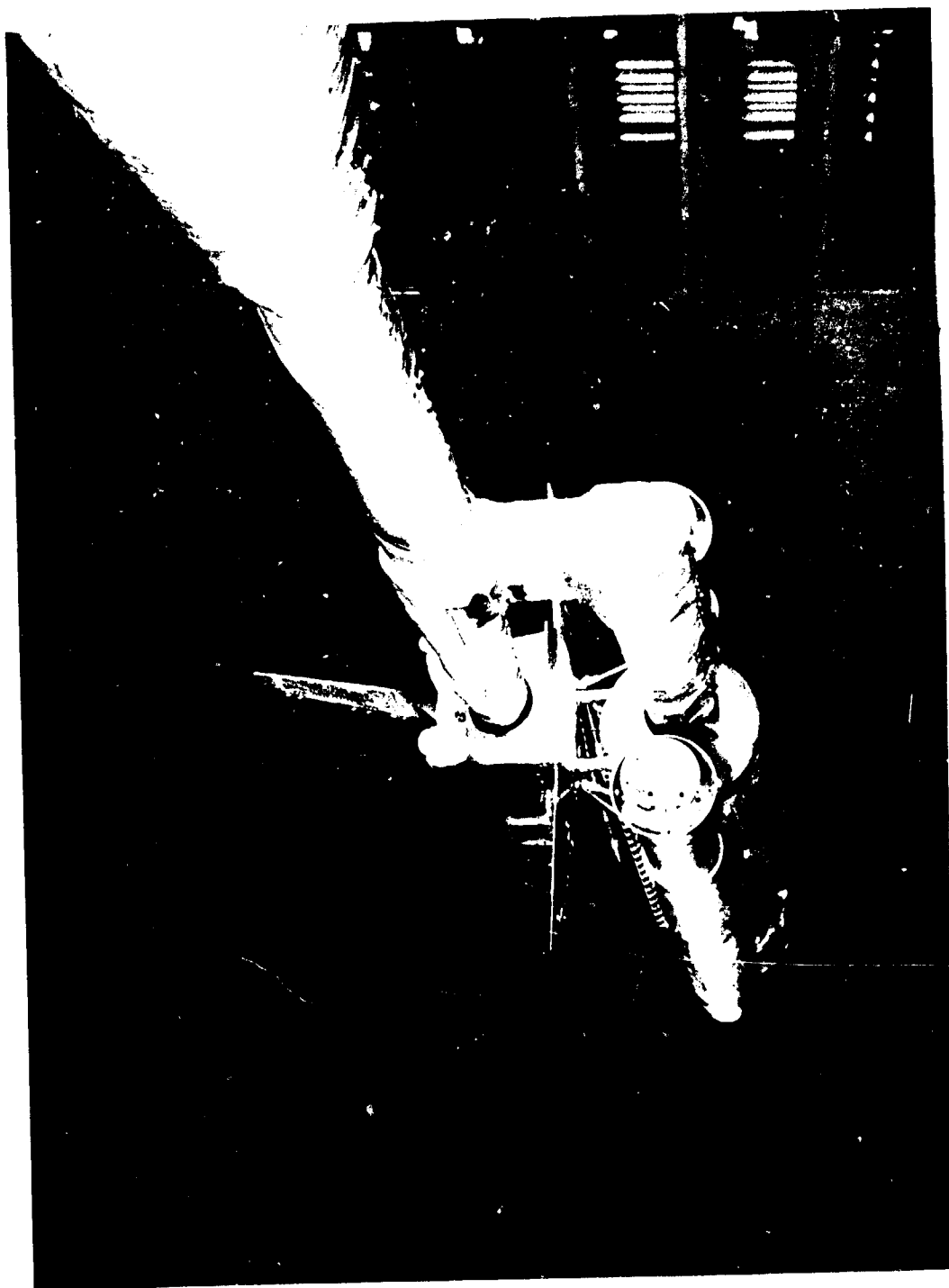


o. Rudder, R5, lines drawing no. VL70-000095  
 Figure 2. - Concluded



a. Front view of model installed in tunnel

Figure 3. - Model photographs.



b. Rear view of model installed in tunnel

Figure 3. - Concluded.

TABULATED PRESSURE DATA

(R81117) ( 03 OCT 73 )

PARAMETRIC DATA

BETA0 = .000 ELEVON = .000  
RUDDER = .000 SPOBRK = .000

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512N25+AT11 LOWER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5000 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .898 ALPHA( 1 ) = -0.170

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW	X/CW	CP
.2990	.3640	.4270 .9340 .6730 .7800 .8870
.0196	.0368	.1918 .1751 .0105 -.1124 -.0653
.020		-1.0900 -1.0720 -.8801 -.7300
.030		-.2603
.040	.0558	
.048		-.2711
.050		-.8630 -1.0720 -.8690 -.7226
.060		-.4705
.085		-.2256
.085	.0593	
.094	-.0494	
.150		-.3672 -.9039 -.9370 -.7423
.163	.0452	
.177		-.1999
.229	.0474	
.245	-.1248	
.250		-.2233 -.1442 -.9766 -.8164
.274		-.1755
.362	.0408	
.390	-.1224	
.400		-.0919 -.1429 -.8716
.402		-.0736
.497	-.0610	
.550		-.1691 -.2601
.565		-.1163
.600		
.650		-.5345
.700	-.0534	
.725		-.4162
.750		-.6623
.760		-.6366 -.3432
.775		-.7923 -.7955
.808		-.7885
.834	-.4927	
.850		-.4733 -.3264 -.3963
.857		-.4627
.865		
.900	-.5658	
.900	-.4467	
.905		-.3321
		-.3178
		-.2350
		-.3940

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+112+312N25+AT11 LOWER WING (R01L17)

MACH ( 1 ) = .890 ALPHA( 1 ) = -8.170  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
 Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870  
 X/CW  
 .950 -.2676 .0000  
 .953 -.2256  
 .965 -.3013

MACH ( 1 ) = .890 ALPHA( 2 ) = -4.140  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
 Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870  
 X/CW  
 .000 .0152 .0969 .3134 .3472 .2320 .1543 .1921  
 .020 .030 .030 .0299  
 .040 .048 .1257  
 .050 .0278 .1356  
 .060 .080 .3281 -.5686 -.7443 -.7563  
 .085 .095 .0964  
 .094 .0392 .1247  
 .150 .1145  
 .163 .1177  
 .177 .0944  
 .220 .0391  
 .245 .0415  
 .250 .0650  
 .274 .0668  
 .362 .0818  
 .390 .0283  
 .400 .0355  
 .402 .0355  
 .497 .0069  
 .550 .0668  
 .565 .0668  
 .600 .0668  
 .610 .0668  
 .700 .0082  
 .725 .0668  
 .750 .0668  
 .760 .0668  
 .775 .0668  
 .808 .0668  
 .834 .0668  
 .850 .0668

MACH ( 1 ) = .890 ALPHA( 2 ) = -4.140  
 SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP  
 Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870  
 X/CW  
 .000 .0152 .0969 .3134 .3472 .2320 .1543 .1921  
 .020 .030 .030 .0299  
 .040 .048 .1257  
 .050 .0278 .1356  
 .060 .080 .3281 -.5686 -.7443 -.7563  
 .085 .095 .0964  
 .094 .0392 .1247  
 .150 .1145  
 .163 .1177  
 .177 .0944  
 .220 .0391  
 .245 .0415  
 .250 .0650  
 .274 .0668  
 .362 .0818  
 .390 .0283  
 .400 .0355  
 .402 .0355  
 .497 .0069  
 .550 .0668  
 .565 .0668  
 .600 .0668  
 .610 .0668  
 .700 .0082  
 .725 .0668  
 .750 .0668  
 .760 .0668  
 .775 .0668  
 .808 .0668  
 .834 .0668  
 .850 .0668

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
ARC11-716 1A14 01+T12+512N23+AT11 LOWER WING

(881117)

MACH ( 1 ) = .898 ALPHA( 2 ) = -4.140

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.857		-.4086				
	.865	-.5330					
	.903	-.4175	-.2671			-.2560	
	.925	-.2782	-.2566				
	.950		-.2126			.0300	
	.953		-.1973				
	.955	-.2827					

MACH ( 1 ) = .898 ALPHA( 3 ) = -.220

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0434	.0688	.3574	.4813	.4224	.3766	.3879
.020				-.1916	-.2750	-.3139	-.3496
.030			.1679				
.040		.1587					
.048			.0644				
.050	-.0257			-.1420	-.1936	-.2216	-.2869
.060				-.1365			
.085			.0409				
.086		.1775					
.094	-.0264			-.0842	-.0353	-.0828	-.1548
.150			.1842				
.163							
.177			.0121				
.229	.0794						
.245		.0365		-.0375	-.0452	-.0770	-.2176
.250			.0244				
.274							
.362	.1277						
.390		.0430					
.400				.0010	-.0524		-.2284
.402			.0558				
.497	.0500						
.550				-.1431	-.2185		
.565			-.0438				
.600						-.4600	-.4424
.650							
.700	.0188						
.725				-.0784	-.5947		
.750						-.6914	-.7449
.760			-.4767				





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512R23+AT11 LOWER WING (RB1117)

MACH ( 1 ) = .800 ALPHA( 3 ) = -.220

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.775  
.800  
.834  
.850  
.857  
.865  
.900  
.905  
.950  
.953  
.955  
-1.6270  
-1.686  
-1.4370  
-1.2566  
-1.2955  
-1.2604  
-1.2553  
-1.2278  
-1.1952  
-1.1623  
-1.2070  
-1.0390

MACH ( 1 ) = .800 ALPHA( 4 ) = 3.830

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.920  
.920  
.930  
.940  
.948  
.950  
.980  
.985  
.986  
.994  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.565  
.600  
.610  
-1.1312  
-1.0331  
-1.2901  
-1.1541  
-1.0668  
-1.0215  
-1.0127  
-1.0773  
-1.1143  
-1.0943  
-1.096  
-1.072  
-1.060  
-1.0590  
-1.0583  
-1.0505  
-1.0423  
-1.042  
-1.0674  
-1.0618  
-1.0144  
-1.0415  
-1.0144  
-1.1102  
-1.0778  
-1.0590  
-1.1922  
-1.0795  
-1.1834  
-1.0210  
-1.4072  
-1.4180

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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ARC11-716 1A14 OR-T12-S12N25-AT11 LOWER WING

(R01L17)

MACH ( 1 ) = .898 ALPHA( 4 ) = 3.030

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700	.0504					
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.953						
.965						

MACH ( 1 ) = .898 ALPHA( 5 ) = 0.030

## SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2235	-.1585	.2811	.5230	.4245	.3149	.2355
.020				.2723	.3285	.3878	.3589
.030							
.040							
.048							
.050							
.060							
.085							
.086							
.094							
.150							
.163							
.177							
.228							
.246							
.250							
.274							
.362							
.380							
.400							
.402							
.497							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L17)

ARC11-716 1A14 01+112+312+25+AT11 LOWER WING

MACH ( 1 ) = .898 ALPHA( 1 ) = 9.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.550	-.0782
.563	-.0049
.600	-.3423
.650	-.3665
.700	-.5202
.725	-.5969
.750	-.5987
.760	-.5380
.775	-.6263
.808	-.6483
.834	-.6934
.850	-.6901
.857	-.7280
.865	-.7084
.900	-.3636
.905	-.3349
.910	-.1021
.933	.0000
.965	-.1669
.978	-.7920

MACH ( 2 ) = .877 ALPHA( 1 ) = -7.920

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.550	.1291
.563	.1388
.600	.3025
.650	.2972
.700	.1246
.725	.0020
.750	-.0269
.760	-1.0960
.775	-.9087
.808	-.7895
.834	-.6099
.850	-.1267
.857	-.1416
.865	-.9507
.900	-.9205
.905	-.7807
.910	-.6089
.933	-.4473
.965	-.1063
.978	.1488
.985	-.3686
.990	-.7326
.995	-.8168
.998	-.8307
.999	-.0999
.999	.1372
.999	-.1180
.999	-.0193
.999	-.2974
.999	-.0939
.999	-.8066
.999	-.7136
.999	-.0611
.999	.1248

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ARC11-716 1A14 01-T12-S12N23-AT11 LOWER WING

(RB1117)

MACH ( 2 ) = .877 ALPHA( 1 ) = -7.920

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4210 .5340 .6730 .7800 .8870

X/CW

.390	-.0246					
.400		-.1003	-.0355			-.7551
.402		-.0052				
.497	.0120					
.550		-.1154	-.1467			
.565		-.0371				
.600						
.650				-.2966		-.4049
.700	.0117		-.4645			
.725		-.6995				
.750		-.5848		-.5203	-.3995	
.760						
.775		-.7424				
.808			-.8639	-.6305		
.834	-.5405					
.850		-.8204		-.8312	-.8005	-.7176
.857						
.865	-.6536					
.900	-.5812		-.6044			-.6508
.925		-.4646	-.4079			
.950			-.5940			.0000
.953		-.3601				
.965	-.4002					

MACH ( 2 ) = .876 ALPHA( 2 ) = -5.880

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2663	.1731	.4002	.4428	.5237	.2499	.43
.020				-.6008	-.7048	-.6528	-.5927
.030			.0791				
.040		.8026					
.048			.0082				
.050	.0035			-.3942	-.5203	-.6120	-.5890
.080				-.3203			
.085			.0016				
.086		.1996					
.094	.0891						
.130				-.2123	-.1206	-.2184	-.4220
.163		.1930					
.177			-.0088				
.229	.1104						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IALCA - VOL. 5  
ARC11-716 IAL4 01+112+512+25+AT11 LOWER WING (R01L17)

MACH ( 2 ) = .976 ALPHA( 2 ) = -3.880

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2993	.3643	.4273	.5349	.6730	.7800	.8879
X/CW	.246	.0441					
.250				-.1125	-.0429	-.0599	-.1850
.274		.0120					
.362	.1561						
.393		.0484					
.400				-.0200	.0037		-.1199
.402			.0739				
.497	.0705						
.533				-.1221	-.1128		
.565			.0074				
.600							-.3029
.630							
.700	.0343			-.6847	-.4536		
.725						-.3171	
.750							
.760				-.5894	-.0579	-.6123	
.775							
.808				-.7504			
.834	-.3260						
.850				-.9171	-.8011	-.7368	
.857							
.865				-.7969			
.865	-.8189						
.930	-.5461			-.6079			-.7427
.935				-.4350	-.3906		
.950				-.6903		.0000	
.950							
.953				-.3357			
.965	-.3899						

MACH ( 2 ) = .977 ALPHA( 3 ) = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2993	.3643	.4273	.5349	.6730	.7800	.8879
X/CW	.000	.1801	.4249	.5565	.4959	.4535	.4696
.020				-.1004	-.1611	-.1932	-.2170
.030			.2461				
.040		.2163					
.048			.1485				
.050	-.0088			-.0646	-.0971	-.1102	-.1505
.060					-.0521		
.085							
.086							
.094	.0278	.2403	.1144				

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A164 - VOL. 5

(R01L17)

ARC11-716 1A14 01-012-012/23-AT11 LOWER WING

MACH ( 2 ) = .977 ALPHA( 3 ) = .090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W .2993 .3640 .4273 .5340 .6730 .7800 .8870

U/CW

.150	.2480	.0097	.0381	.0303	-.0501
.163					
.177	.0834				
.229	.1346				
.246		.0536	.0602	.0395	-.0888
.293					
.274	.0974				
.362	.1157				
.393		.1004	.0616		-.1023
.403					
.402	.1314				
.497	.1261				
.550		-.0202	-.0923		
.565	.0456				
.600					-.2985
.653				-.3088	
.720	.0884		-.4453		
.725		-.5502			
.750				-.5418	-.5262
.760	-.5836				
.775		-.7140	-.5967		
.800					
.834	-.5048				
.850		-.8390	-.7931	-.7362	
.857					
.865	-.5923				-.7631
.900	-.9298		-.4994	-.3948	
.905		-.4202			.0000
.950			-.4913		
.955		-.3335			
.965	-.3710				

MACH ( 2 ) = .975 ALPHA( 4 ) = 4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/W .2993 .3640 .4273 .5340 .6730 .7800 .8870

U/CW

.090	-.3403	-.0168	.3782	.5877	.5444	.4421
.329				.1562	.1803	.1898
.939			.3613			
.949		.1842				
.948		.2601				
.950	-.0344			.1038	.1318	.1384
						.1004



(201117)

ARCH-716 TAIL 01+112+512N25+AT11 LOWER WING

MACH : 2.0 : .973 ALPHA(D) : 4.020

SECTION : LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5270	.6730	.7800	.8870
1/CW							
.080			.0754				
.085		.2100					
.086		.2627					
.094	.0290						
.150			.0816	.1552	.1293	.0340	
.163		.2931					
.177			.1604				
.229	.1321						
.246		.1705					
.250			.0920	.1229	.1037	-.0096	
.274			.1579				
.262	.2222						
.390		.1647					
.410				.0990	.0885		-.0868
.402		.1634					
.497	.1650						
.550			.0505	-.0574	-.0802		
.565							
.600							
.550							
.700	.1050						
.725				-.4582		-.3108	
.750							
.760							
.775							
.808							
.834	-.4082						
.850							
.897							
.865							
.900							
.905							
.950							
.955							
.965							

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(R91L17)

ARC11-716 1A14 OI+T18+SIZE5+AT11 LOWER WING

MACH ( 2 ) = .977 ALPHA( 5 ) = 0.030

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.000	-.3768	-.1100	.3416	.6018	.5305	.4176	.3286
.021			.3218	.4177	.4608	.4306	
.031			.4176				
.040		.1735					
.048			.3173				
.050	-.1254			.2393	.3262	.3444	.3028
.060				.1990			
.085			.2646				
.086		.2838					
.084	-.0039						
.150				.1874	.2716	.2627	.1832
.163		.3274					
.177			.1126				
.229	.1599						
.246		.2317					
.250				.1701	.2032	.1991	.0840
.274			.2055				
.362	.2406						
.390		.2004					
.400				.1510	.1369		-.0148
.402		.1980					
.497	.1960			-.0094	-.0337		
.550			.0766				
.565							
.600							
.650							
.700	.1427						
.725				-.5375			
.750					-.4128		
.760							
.775							
.808							
.834	-.5289						
.850							
.857							
.865	-.5960						
.900	-.5506						
.905							
.950							
.953							
.965	-.3454						





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(RB1117)

ARC11-716 IAI14 01+112+312+23+AT11 LOWER WING

MACH (3) = 1.102 ALPHA(1) = -7.940

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.2140 -.0857 .3002 .3723 .2388 .1327 .1520  
.020 .030 .030 .030 .030 .030 .030 .030.040 .040 .040 .040 .040 .040 .040 .040  
.048 .048 .048 .048 .048 .048 .048 .048  
.050 .050 .050 .050 .050 .050 .050 .050  
.080 .080 .080 .080 .080 .080 .080 .080  
.085 .085 .085 .085 .085 .085 .085 .085.086 .086 .086 .086 .086 .086 .086 .086  
.094 .094 .094 .094 .094 .094 .094 .094  
.150 .150 .150 .150 .150 .150 .150 .150  
.163 .163 .163 .163 .163 .163 .163 .163  
.177 .177 .177 .177 .177 .177 .177 .177.229 .229 .229 .229 .229 .229 .229 .229  
.246 .246 .246 .246 .246 .246 .246 .246  
.250 .250 .250 .250 .250 .250 .250 .250  
.274 .274 .274 .274 .274 .274 .274 .274  
.362 .362 .362 .362 .362 .362 .362 .362  
.390 .390 .390 .390 .390 .390 .390 .390  
.400 .400 .400 .400 .400 .400 .400 .400  
.402 .402 .402 .402 .402 .402 .402 .402  
.497 .497 .497 .497 .497 .497 .497 .497  
.550 .550 .550 .550 .550 .550 .550 .550  
.565 .565 .565 .565 .565 .565 .565 .565  
.600 .600 .600 .600 .600 .600 .600 .600  
.650 .650 .650 .650 .650 .650 .650 .650  
.700 .700 .700 .700 .700 .700 .700 .700  
.750 .750 .750 .750 .750 .750 .750 .750  
.775 .775 .775 .775 .775 .775 .775 .775  
.800 .800 .800 .800 .800 .800 .800 .800  
.834 .834 .834 .834 .834 .834 .834 .834  
.850 .850 .850 .850 .850 .850 .850 .850  
.857 .857 .857 .857 .857 .857 .857 .857  
.858 .858 .858 .858 .858 .858 .858 .858  
.900 .900 .900 .900 .900 .900 .900 .900  
.905 .905 .905 .905 .905 .905 .905 .905  
.910 .910 .910 .910 .910 .910 .910 .910  
.933 .933 .933 .933 .933 .933 .933 .933  
.965 .965 .965 .965 .965 .965 .965 .965.0166 -.0890 -.7894 -.8383 -.7863 -.6663  
-.4095  
-.0803  
.0948  
-.2601 .1283  
-.0906  
-.0182  
-.0626  
-.0139  
-.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280.0148  
.0075 .0033  
.0160  
-.4905  
-.6027 -.4159  
-.6221  
-.6679  
-.5351  
-.5298  
-.4002  
-.4280

DATE 11 JAN 75

ARC11-716 1A14 01+112+312N25+AT11 LOWER WING

MACH ( 3 ) = 1.101 ALPHA( 2 ) = -3.89C

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.1879	-.0176	.3969	.4863	.3809	.3035	.3440	
.020				-.3694	-.6706	-.7694	-.5136	
.030			.0866	.1278				
.040				.0454				
.048					-.2315	-.6091	-.6902	-.5070
.050	-.2174				-.1576			
.060				.0338				
.085			.1445					
.086								
.094	-.2435				-.1064	-.1800	-.3122	-.4251
.150			.1887					
.163				.0094				
.177								
.229	-.0140							
.246			.0511		-.0603	-.0542	.1300	-.2378
.250				.0092				
.274								
.362	.1413		.0559		.1461	.1558		.1053
.390								
.400				.0926				
.402								
.497	.0842				.1104	.0580		
.550				.1011				-.1099
.565							-.1339	
.600					-.3263	-.2596		
.650		.1101					-.3380	-.3227
.700								
.725				-.4585				
.750					-.4689	-.3925		
.760								
.774				-.6251				
.808								
.834	-.4576				-.6993	-.5688	-.5069	
.850								
.857				-.6651				
.865	-.5378							-.5320
.900	-.5755			-.4763				
.905				-.5117	-.5696			
.950					-.4162		.0000	
.953				-.4120				
.965	-.3956							



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(RB1117)

ARC11-716 IAL4 01+712+S12H25+AT11 LOWER WING

MACH (3) = 1.103 ALPHA(3) = .090

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/BW

.000	-.1972	-.0639	.4200	.5737	.5153	.5058	.5491
.020				-.0336	-.1486	-.1167	-.0819
.030		.0910	.2773				
.040				.1754			
.048							
.050	-.1740			-.0312	-.0591	-.0259	-.0199
.060				-.0280			
.081			.1392				
.086		.1912					
.094	-.1977			-.0106	.1309	.1340	.0880
.150		.2523					
.163			.1031				
.177							
.229	.0091						
.246		.1184					
.250				.1201	.1615	.1634	.0525
.274			.1077				
.362	.1840						
.390		.1330					
.400			.1993	.2065	.1911		.0500
.402							
.497	.1406			.1241	.0753		
.550			.1587				
.565							
.600							
.650							
.700	.1671			-.2314			-.1225
.725				-.3696			
.750							
.760			-.4282				
.775				-.5300	-.3791		
.808			-.6157				
.834	-.4605						
.850				-.7865	-.5595	-.5072	
.857			-.6811				
.865	-.5137						
.900	-.5713			-.6036			-.5429
.905				-.4836	-.6847		
.950				-.4816			.0000
.953			-.4313				
.965	-.3875						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L17)

ARC11-716 1A14 OI+T12+S:2H2S+AT11 LOWER WING

MACH (3) = 1.100 ALPHA(4) = 4.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2123	-.2456	.3721	.6045	.5885	.5452	.5375
.020				.2532	.2618	.3004	.3225
.030			.3942				
.040		.0428					
.048			.2877				
.050	-.1516			.1924	.2111	.2459	.2363
.080			.2374		.1580		
.085							
.086		.2140					
.094	-.1294						
.150		.3066		.1698	.2407	.2518	.2013
.163			.1899				
.177							
.229	.0286						
.246		.1825		.1983	.2300	.2375	.1432
.250			.2002				
.274	.2165						
.362		.1999		.2429	.2211		.0607
.390			.2364				
.400				.1350	.0889		
.402	.1899		.1694				
.497							
.550							
.565							
.600							
.650							
.700	.1904						
.725				-.3550			
.750							
.760			-.4240				
.775				-.5171	-.3686		
.808			-.6244				
.834	-.4725						
.850				-.7656	-.5503	-.5096	
.857			-.6944				
.865	-.5127						
.900	-.5650			-.6403			-.5353
.935			-.4323		-.7193		
.950				-.4700			.0000
.955			-.4160				
.965	-.3444						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 5

ARC11-716 IAI14 01+T12+S12H25+AT11 LOWER WING (RB1117)

MACH (3) = 1.099 ALPHA(5) = 0.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW Y/BW .2990 .3640 .4270 5340 .6730 .7800 .8870

X/CW

.000	-.2280	-.5191	.2873	.6033	.5983	.5112	.4487
.020				-.217	.4839	.5434	.5375
.030			.4482				
.040		-.0337					
.048			.3523				
.050	-.1307			.3275	.3987	.4334	.4204
.060			.2762				
.085		.2959					
.096		.2221					
.094	-.0933			.2514	.3515	.3637	.3093
.150		.3312					
.163			.2349				
.177							
.229	.0508						
.246		.2109		.2518	.2904	.3120	.2168
.250			.2375				
.274							
.362	.2308						
.393		.2322		.2571	.2427		.1297
.400			.2537				
.402				.1276	.1012		
.497	.2267		.1641				
.552							
.565							
.600							
.650							
.700	.1953			-.3553			
.725				-.2314			
.757							
.760							
.775							
.809							
.834	-.4658						
.850							
.857							
.865	-.5072						
.900	-.5387						
.925							
.930							
.933							
.965	-.3126						

ORIGINAL PAGE IS  
OF POOR QUALITY

(8811:7)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
 ARC11-716 IAI4 01-112-912N25-AT11 LOWER WING

MACH (4) = 1.248 ALPHA(1) = -7.940

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1566	-.1932	.1818	.3690	.2759	.2187	.2581
.020				-.7846	-.6660	-.6753	-.6004
.030				-.1468			
.040				-.2006			
.048				-.1386			
.050	-.2183			-.7584	-.6392	-.6334	-.5776
.060				-.5620			
.085				-.1128			
.086				-.0915			
.094	-.1912			-.3847	-.4212	-.5651	-.5745
.102				.0318			
.163				-.1155			
.177							
.229	-.1973						
.246				-.0338			
.250				-.1653	-.3231	-.4697	-.5356
.274				-.0595			
.362	.0257						
.393				-.0090			
.400				-.0938	-.0491		-.4468
.402				.0277			
.497	-.0044			-.1011	.0383		
.550				.0236			
.565							-.3794
.600					-.0147		
.650					-.1305		
.703	.0715			-.3239		-.1596	-.2717
.725							
.750				-.3347			
.760				-.4709	-.2634		
.775				-.4862			
.808							
.834	-.3875			-.6891	-.4125	-.3256	
.850				-.5053			
.857							
.865	-.4323			-.8003			-.3125
.900	-.5195			-.5979	-.5540	.0000	
.925				-.6197			
.950				-.4101			
.953							
.965	-.4118						



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A144 - VOL. 3  
 ARC11-716 1A14 01+712+512+25+AT11 LOWER WING (R01117)

MACH (1) = 1.246 ALPHA(2) = -3.940		SECTION (1) LOWER WING		DEPENDENT VARIABLE CP	
Y/CM					
X/CM					
.000	-.1522	-.1.97	.3128	.5102	.4338
.020				.3551	.4036
.030			.0913	-.2996	-.5164
.040		-.1406		-.5784	-.5310
.050			.0335		
.060	-.2071			-.1909	-.4595
.080				-.5235	-.5525
.085			-.0538	-.1716	
.086		.0170			
.094	-.2104				
.150				-.0701	-.1070
.163		.1363		-.2907	-.5202
.177			.0125		
.229	-.2056				
.246		.0558			
.250				-.0817	-.1377
.274			.0519	-.1785	-.3067
.362	.0817				
.390		.0802		.0647	.0509
.400					.0279
.402			.0834		
.497	.0827			.1886	.1748
.550					
.565			.1060		.0762
.600					
.650					
.700	.1212			-.1022	.0292
.725				-.1730	-.1555
.750					-.1175
.760					
.775				-.2962	-.3070
.808				-.2181	
.834	-.3425			-.4618	
.850					
.857				-.5102	-.3809
.875				-.3118	
.900	-.4121				
.910				-.4975	
.917	-.5162				
.935				-.6149	-.3289
.950				-.5915	-.5356
.953				-.4531	.0000
.965				-.4055	
	-.3823				

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L17)

ARC11-716 1A14 01+112+312M25+AT11 LOWER WING

MACW ( 4 ) = 1.244 ALPHA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2300	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1282	-.1179	.3679	.6015	.5435	.4879	.5171
.020				.0041	-.0943	-.2272	-.2921
.030			.2642				
.040		-.0180					
.048			.1778				
.050	-.1203			-.0203	-.0720	-.1507	-.2463
.060				-.0222			
.085			.1549				
.086		.0492					
.094	-.1066			.0219	.0204	-.0630	-.0831
.150							
.163		.2037					
.177			.1153				
.220	-.1011						
.245		.1202					
.253				-.0147	-.0143	.1771	.2403
.274			.1193				
.362	.1445			.1632	.3088		.2052
.390		.1396					
.400			.1620				
.402							
.437	.1429						
.550				.2287	.2184		
.565			.2239				.0271
.600						.0354	
.650	.1992			-.0818			
.700				-.1859		-.1607	-.1539
.725							
.750			-.2538				
.760				-.3366	-.1952		
.775			-.4356				
.808							
.834	-.3421			-.3513	-.3655	-.3191	
.850			-.5132				
.857							
.865	-.3979			-.6678			-.3624
.900	-.5058						
.905			-.5970	-.6678	-.5295		
.950				-.7392		.0000	
.955			-.4133				
.965	-.3924						





DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 1351

ARL11-715 1A14 01-112-512N25-AT11 LOWER WING

(R01L17)

MACH (4) = 1.249 ALPHA(4) = 4.919

SECTION - LOWER WING	DEPENDENT VARIABLE OF			
Y/B	.2930	.3640	.4270	.5340 .6730 .7800 .8670
X/CW				
.020	-.1269	-.2136	.3567	.6458 .6094 .5669 .6082
.025				.2531 .2475 .2130 .3399
.030			.5983	
.040		-.0199		
.046		.3048		
.050	-.0583		.1849 .1691 .2013 .2879	
.060			.1573	
.085			.2604	
.094		.1166		
.100	-.1291			
.163		.2921		.1114 .1827 .2969 .2787
.177		.2181		
.229	-.0189			
.246		.1910		
.250			.1263 .3100 .3266 .2444	
.274		.1879		
.342	.2104			
.390	.2093			
.400			.2950 .3256	.2014
.402		.2733		
.497	.2117		.2405 .2262	
.550		.2691		.0385
.564				.0428
.600			-.1858	
.650	.2663		-.0772	
.700				-.1469 -.1433
.725				
.750				
.760		-.2397		
.775			-.3430 -.1826	
.804		-.4136		
.834	-.3550			
.850			-.5586 -.3507 -.3083	
.857		-.3256		
.865	-.4018			
.900	-.5018		-.6782	-.3502
.905		-.6044	-.5147	
.940			-.7513	.0000
.955		-.4003		
.965	-.4105			

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L17)

ARC11-716 1A14 01+112+512N29+AT11 LOWER WING

MACH (4) = 1.249 ALPHA(5) = 7.930

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.1547	-.3104	.2667	.6329	.6330	.5741	.5456
.020				.4190	.4557	.5364	.5753
.030				.4492			
.040		-.0025					
.050			.3553				
.060	-.0337		.3154	.3731	.4395	.4696	
.070			.2606				
.085			.2985				
.095		-.1530					
.100	-.0494						
.110				.2309	.3470	.3971	.3614
.115		.3392					
.120			.2362				
.125	.0435						
.130		.2745					
.135			.2360				
.140	.2327	.2197					
.145				.2492	.3201	.3749	.3366
.150							
.155				.2965	.3194		.2364
.160	.2217						
.165				.2298	.2166		
.170							
.175				.2485			.0572
.180	.2636				-.0756	.0486	
.185				-.1474			
.190						-.1383	-.1277
.195							
.200			-.2484				
.205				-.2935	-.1761		
.210			-.4148				
.215							
.220							
.225							
.230							
.235							
.240							
.245							
.250							
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.260							
.265							
.270							
.275							
.280							
.285							
.290							
.295							
.300							
.305							
.310							
.315							
.320							
.325							
.330							
.335							
.340							
.345							
.350							
.355							
.360							
.365							
.370							
.375							
.380							
.385							
.390							
.395							
.400							
.405							
.410							
.415							
.420							
.425							
.430							
.435							
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.495							
.500							
.505							
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.675							
.680							
.685							
.690							
.695							
.700							
.705							
.710							
.715							
.720							
.725							
.730							
.735							
.740							
.745							
.750							
.755							
.760							
.765							
.770							
.775							
.780							
.785							
.790							
.795							
.800							
.805							
.810							
.815							
.820							
.825							
.830							
.835							
.840							
.845							
.850							
.855							
.860							
.865							
.870							
.875							
.880							
.885							
.890							
.895							
.900							
.905							
.910							
.915							
.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							
.960							
.965							
.970							
.975							
.980							
.985							
.990							
.995							
1.000							



ARC11-716 1A14 01+12+512+25+AT11 LOWER WING (881-18) (02 OCT 73)

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = .000 SPOILER = .000

REFERENCE DATA

REF = 2.4210 30. FT. YARP = 29.5800 INCHES  
REF = 38.7000 INCHES YARP = .0000 INCHES  
REF = 38.7000 INCHES YARP = .0000 INCHES  
SCALE = .0000 SCALE

MACH (1) = .030 BETAD (1) = -0.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

7/64 .2990 .3640 .4270 .5340 .6730 .7800 .8870

7/CM

.0000	.0340	.1710	.4782	.6309	.6063	.5641	.5604
.020				-.0273	-.0371	-.0673	-.1274
.030			.2540				
.040		.2476					
.046			.1500				
.050	.0236			-.0133	-.0177	-.0456	-.1232
.060				-.0092			
.065			.1323				
.066		.2569					
.066	.0069			.0499	.0666	.0251	-.0554
.150		.2629					
.163			.1211				
.177							
.228	.1400	.1336		.0945	.0647	.0222	-.1207
.246			.1461				
.250							
.274				.1236	.0350		-.1451
.342	.8137	.1652					
.393			.1994				
.400	.1640			-.0450	-.1394		
.497			.0974				
.550							
.600							
.650							
.700	.2646			-.6569	-.3769		
.725							
.750			.7130				
.760				-.0333	-.7023		
.775							
.808			-.6357				
.834	-.6006						
.850				-.4242	-.2797	-.3873	
.857			-.4625				
.865	-.7072						
.870	-.5103			-.3103			-.2285
.871			-.3046				-.1932





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081118)

ARC11-716 1A14 01+T12+512M23+AT11 LOWER WING

MACH ( 1 ) = .697 BETAD ( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775					-.7937	-.6256	
.808					-.6971		
.834	-.4349						
.850					-.4324	-.2674	-.3020
.857					-.4368		
.865	-.5146						
.900	-.4136				-.2701		-.2134
.905					-.2572	-.2512	
.950					-.2168		.0000
.953					-.1616		
.965	-.2805						

MACH ( 1 ) = .698 BETAD ( 4 ) = 4.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1224	.0116	.2436	.4166	.3356	.2864	.3059
.020				-.1441	-.3094	-.3694	-.4315
.030			.1425				
.040		.0683					
.048			.0762				
.050	-.0612			-.0883	-.2148	-.2709	-.3434
.080				-.0846			
.085			.0415				
.086		.1116					
.094	-.0313						
.150		.1282			-.0487	-.0795	-.1295
.163			.0074				
.177							
.229	.0541						
.246		.0371					
.250			-.0035				
.274					-.0308	-.0934	-.1211
.362	.0916						
.390		.0113					
.400					-.0389	-.1080	-.2644
.402			-.0215				
.497	.0302				-.1699	-.2614	
.550					-.1574		
.565							-.4776
.600							-.4850
.650							



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TABULATED PRESSURE DATA - 1A14 - VOL. 5

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ARC11-715 1A14 01+T12+S12H23+Y111 LOWER WING

(RBL118)

MACH ( 1 ) = .898 BETAO ( 4 ) = 4.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700	-.1275			-.5831		
.725			-.4495		-.6515	-.7272
.750						
.760			-.3912			
.775				-.5847	-.6678	
.808				-.4669		
.834	-.4180					
.850				-.3856	-.2819	-.2253
.857				-.3682		
.865	-.4310					
.900	-.3552			-.2289		-.1911
.905				-.2860	-.1494	
.950					-.1335	.0000
.953				-.1861		
.965	-.2383					

MACH ( 1 ) = .898 BETAO ( 5 ) = 8.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2535	-.0228	.0880	.2432	.799	.1963	.2107
.020				-.0565	-.5348	-.4223	-.5397
.030			.0738				
.040		.0086					
.048			.0484				
.050	-.1597			-.0367	-.2077	-.3241	-.4333
.080				-.0361			
.085			.0328				
.086		.0495					
.094	-.1053						
.150				-.0339	-.0943	-.1700	-.2805
.163		.0769					
.177			.0069				
.229	.0007						
.246		.0146					
.250				-.0465	-.1259	-.1651	-.2922
.274			-.0093				
.362	.0682						
.390		-.0033					
.400				-.0929	-.1709		-.2929
.402							
.497	.0121			-.0438			

TABULATED PRESSURE DATA - 1A14A - VOL. 3  
ARC11-7:6 1A14 01+T12+S12M25+AT11 LOWER WING  
(RB1118)

MACH ( 1 ) = .098 BETAO ( 5 ) = 0.130

## SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.350				-.2137	-.2978		
.365				-.1690			
.380						-.4639	-.4856
.395						-.4534	
.410	-.1895			-.3990			
.425						-.6145	-.6620
.440							
.455				-.3612	-.4995	-.4958	
.470				-.4331			
.485							
.500	-.4014			-.3745	-.3581	-.2555	
.515				-.3649			
.530				-.2841			-.1290
.545	-.3224			-.3091	-.1053		
.560				-.1729		.0000	
.575				-.2207			
.590							
.605	-.2332						

MACH ( 2 ) = .078 BETAO ( 1 ) = -0.050

## SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.350	-.0759	.2109	.5367	.7019	.6666	.6277	.6229
.365				.0496	.0540	.0256	-.0090
.380			.3361				
.395		.3082					
.410			.2417				
.425	-.0329			.0551	.0746	.0517	-.0150
.440				.0589			
.455							
.470		.3243		.2134			
.485	.0261						
.500							
.515		.3371		.1097	.1729	.1229	.0488
.530							
.545	.1978						
.560		.2054					
.575							
.590							
.605							
.620							
.635							
.650							
.665							
.680							
.695							
.710							
.725							
.740							
.755							
.770							
.785							
.800							
.815							
.830							
.845							
.860							
.875							
.890							
.905							
.920							
.935							
.950							
.965							
.980							
.995							





DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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ARC11-716 1A14 010112+512+25+AT11 LOWER WING

(N81L10)

MACH ( 2 ) = .976 BETAD ( 1 ) = -0.953

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.5730	.7800	.8870
X/CW		.2428					
	.393			.2081	.1463		-.0269
	.403		.2318				
	.432						
	.497	.2415					
	.530		.0544	-.0098			
	.565		.2065				
	.600						
	.620						
	.700	.3625			-.2345		-.2184
	.725			-.5294	-.3690		
	.750		-.5742			-.4700	-.4471
	.760						
	.775		-.8358				
	.808						
	.834	-.6180					
	.850			-.9918	-.7307	-.6676	
	.857		-.5209				
	.865	-.6859					
	.900	-.7612		-.5134			-.6869
	.935		-.4060		-.3961		
	.950			-.4855		.0000	
	.953		-.3861				
	.965	-.3612					

MACH ( 2 ) = .976 BETAD ( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
	.000	-.1834	.1870	.4943	.6368	.5892	.5491
	.020				-.0740	-.0934	-.0951
	.030			.2746			-.1204
	.040		.2714				
	.048			.1807			
	.050	-.0860			-.0455	-.0130	-.0298
	.060				-.0321		
	.065			.1562			
	.085		.2840				
	.094	.0278					
	.150				-.0384	.1243	.0850
	.163		.2961				-.0078
	.177						
	.229	.1700		.1607			

(RB1L10)

ARC11-716 1A14 01+112+312N25+AT11 LOWER WING

MACH ( 2 ) = .976 BETAO ( 2 ) = -4.010

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.1531		
		.0963	.1226 .0666 -.0391
	.2450	.1661	
	.1855		
		.1502	.1120 -.0640
	.1941	.2286	
		.0561	-.0408
		.1589	
			-.2586
	.2874		-.2720
		-.5881	-.4078
			-.5075 -.4083
		-.5983	
		-.7709	-.5578
		-.8338	
	-.6008		
		-.8946	-.7605 -.7040
		-.5286	
	-.6523		
	-.6883	-.5256	-.7294
	.905	-.4273	-.3937
	.950	-.5203	.0000
	.953	-.4069	
	.965	-.3760	

MACH ( 2 ) = .975 BETAO ( 3 ) = .040

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
	.1311	.4262	.5517 .4871 .4429 .4593
		.2310	-.1443 -.2100 -.2519 -.2643
	.2793	.1326	
	.0038		-.0982 -.1240 -.1409 -.1896
			-.0815
		.1926	
	.2372		
	.0276		



DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R81110)

ARC11-716 IA14 01+712+512N25+AT11 LOWER WING

MACH ( 2 ) = .975 BETAO ( 3 ) = .940

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/SW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.150						
.163						
.177						
.229						
.246						
.250						
.274						
.362						
.390						
.400						
.402						
.497						
.550						
.563						
.600						
.650						
.700						
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.930						
.933						
.965						

MACH ( 2 ) = .976 BETAO ( 4 ) = 4.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/SW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000						
.020						
.030						
.030						
.040						
.048						
.050						

ARC11-716 1A14 01+112+512N25+AT11 LOWER WING

(R01L18)

MACH ( 2 ) = .976 BETAO ( 4 ) = 4.070

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW			
	X/CW		
	.000	-.0603	
	.005	.0916	
	.006	.1631	
	.004	-.0326	
	.150		-.0170
	.163	.1774	-.0146
	.177	.0650	-.0561
	.229	.0084	-.1197
	.246	.0902	
	.250		.0025
	.274	.0570	-.0200
	.362	.1343	-.0346
	.390	.0691	-.1404
	.400		
	.402	.0352	-.0048
	.497		-.0241
	.550		-.1405
	.565	-.1123	-.1608
	.600		
	.650		-.3612
	.700	-.0037	-.5004
	.725		-.3320
	.750		-.5872
	.760	-.4416	-.5775
	.775	-.6225	
	.800	-.6260	
	.834	-.4635	
	.850		-.7843
	.857	-.5594	-.8012
	.965	-.5111	-.7759
	.990	-.4402	
	.995	-.4173	-.5084
	.999	-.3066	-.3763
	.999	-.2710	.0000
	.999		
	.999	-.2963	-.0051



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+112+512H25+AT11 LOWER WING (RB1119)

MACH (Z) = .974 BETAO (S) = 0.120

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.8000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4533	-.0120	.1202	.3047	.3382	.2573	.2703
.020			.1041	.0037	-.2736	-.3691	-.4773
.030							
.040		.0321					
.048			.0834				
.050	-.2234			.0403	-.1507	-.2783	-.3782
.060				.0437			
.065			.0785				
.066		.0782					
.094	-.1254						
.150				.0461	-.0386	-.1069	-.2070
.163		.1076					
.177			.0647				
.229	.0258						
.246		.0631					
.250				.0313	-.0658	-.0942	-.2146
.274			.0457				
.362	.0897						
.390		.0557					
.400				-.0147	-.1133		-.2146
.402			.0132				
.497	.0385						
.550				-.1523	-.2379		
.585			-.1518				-.3974
.600					-.4675	-.4119	
.650				-.3827		-.5953	-.6187
.700	-.1718						
.725							
.750			-.4206				
.775				-.5101	-.6016		
.808			-.5706				
.834	-.4786						
.850				-.5241	-.7228	-.7420	
.857			-.5015				
.865	-.5175						-.5337
.900	-.4870			-.5311	-.2639		
.905			-.3892				
.950				-.2066		.0000	
.953			-.2808				
.965	-.2784						

(R01L10)

ARC11-716 1A14 OA-T12-S12N25+AT11 LOWER WING

MACH ( 3 ) = 1.102 BETA ( 1 ) = -0.095

SECTION ( 3 ) LOWER WING DEFENDENT VARIABLE CP

V/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	.0102	.0006	.5611	.7416	.7190	.6944	.7046
.020			.1355	.1052	.0840	.0755	
.040		.1092					
.060			.2706				
.080	-.1265		.1420	.1276	.1264	.0949	
.100			.1479				
.120		.2409					
.140		.2949					
.160	-.1710						
.180		.3591		.2109	.2629	.2326	.1680
.200			.2319				
.220	.0580						
.240		.2284					
.260			.2890	.2756	.2489	.1373	
.280			.2740				
.300	.2934						
.320			.3673				
.340				.3606	.2771		.1221
.360			.3322				
.380				.2535	.1498		
.400							
.420	.2921						
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							



ARC11-716 IAI14 31\*112\*512\*25\*AT11 LOWER WING

(881118)

MACH (3) = 1.100 BETAD (2) = -4.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
Z/CW							
.000	-.0634	-.0628	.4928	.6641	.6152	.5870	.6202
.020			.3057	.0178	-.0377	-.0518	-.0237
.040		.0622					
.060			.2071				
.080	-.1249			.0253	.0065	.0321	.0174
.100				.0284			
.120			.1789				
.140	-.2252	.2229					
.160				.0947	.1900	.1819	.1207
.180		.3051	.1591				
.200	-.0127						
.220		.1651		.2026	.2183	.2029	.0915
.240			.1953				
.260	.2362	.2145					
.280			.2998	.3004	.2375		.0827
.300	.2080			.2035	.1141		
.320			.2790				
.340							
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							

TABLED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 Q4712912M25-A711 LOWER WING

$$\text{MATH} (3) = 1.172 \quad \text{BETA} (3) = .553$$

SECTION (LOWER WING DEFENDENT VARIABLE CF)

[illegible]

A3/X

0.000	-1.003	-.9699	.4190	.5714	.5020	.4023	.5394
.277				-.0302	-.1931	-.1759	-.1346

5193.

342 .3927

**00C**

Variable	Mean	SD	Alpha
1. Age	35.2	12.5	.92
2. Sex	1.2	.4	.95
3. Education	12.8	2.1	.91
4. Income	2.5	.8	.88
5. Health	3.1	.9	.85
6. Family size	2.3	.7	.82
7. Marital status	1.5	.5	.80
8. Employment	1.8	.6	.78
9. Social support	2.7	.8	.75
10. Life satisfaction	3.4	.9	.72
11. Stress	2.9	.8	.70
12. Coping strategies	2.1	.7	.68
13. Resilience	3.2	.8	.65
14. Mental health	2.6	.7	.62
15. Physical health	3.0	.8	.60
16. Quality of life	3.5	.9	.58
17. Social functioning	2.8	.7	.55
18. Emotional well-being	3.3	.8	.52
19. Life goals	2.4	.7	.50
20. Personal growth	2.9	.8	.48
21. Self-esteem	3.1	.8	.45
22. Optimism	2.7	.7	.42
23. Hope	2.5	.6	.40
24. Perseverance	2.8	.7	.38
25. Determination	2.6	.6	.35
26. Motivation	2.9	.7	.32
27. Persistence	2.7	.6	.30
28. Resilience	3.0	.7	.28
29. Adaptability	2.8	.6	.25
30. Flexibility	2.6	.5	.22
31. Openness	2.9	.6	.20
32. Conscientiousness	2.7	.5	.18
33. Neuroticism	2.5	.4	.15
34. Extraversion	2.8	.5	.12
35. Agreeableness	2.6	.4	.10
36. Conscientiousness	2.9	.5	.08
37. Neuroticism	2.7	.4	.05
38. Extraversion	2.5	.3	.02
39. Agreeableness	2.8	.4	.00
40. Conscientiousness	2.6	.3	.00
41. Neuroticism	2.9	.4	.00
42. Extraversion	2.7	.3	.00
43. Agreeableness	2.5	.2	.00
44. Conscientiousness	2.8	.3	.00
45. Neuroticism	2.6	.2	.00
46. Extraversion	2.9	.3	.00
47. Agreeableness	2.7	.2	.00
48. Conscientiousness	2.5	.1	.00
49. Neuroticism	2.8	.2	.00
50. Extraversion	2.6	.1	.00
51. Agreeableness	2.9	.2	.00
52. Conscientiousness	2.7	.1	.00
53. Neuroticism	2.5	.0	.00
54. Extraversion	2.8	.1	.00
55. Agreeableness	2.6	.0	.00
56. Conscientiousness	2.9	.1	.00
57. Neuroticism	2.7	.0	.00
58. Extraversion	2.5	.0	.00
59. Agreeableness	2.8	.0	.00
60. Conscientiousness	2.6	.0	.00
61. Neuroticism	2.9	.0	.00
62. Extraversion	2.7	.0	.00
63. Agreeableness	2.5	.0	.00
64. Conscientiousness	2.8	.0	.00
65. Neuroticism	2.6	.0	.00
66. Extraversion	2.9	.0	.00
67. Agreeableness	2.7	.0	.00
68. Conscientiousness	2.5	.0	.00
69. Neuroticism	2.8	.0	.00
70. Extraversion	2.6	.0	.00
71. Agreeableness	2.9	.0	.00
72. Conscientiousness	2.7	.0	.00
73. Neuroticism	2.5	.0	.00
74. Extraversion	2.8	.0	.00
75. Agreeableness	2.6	.0	.00
76. Conscientiousness	2.9	.0	.00
77. Neuroticism	2.7	.0	.00
78. Extraversion	2.5	.0	.00
79. Agreeableness	2.8	.0	.00
80. Conscientiousness	2.6	.0	.00
81. Neuroticism	2.9	.0	.00
82. Extraversion	2.7	.0	.00
83. Agreeableness	2.5	.0	.00
84. Conscientiousness	2.8	.0	.00
85. Neuroticism	2.6	.0	.00
86. Extraversion	2.9	.0	.00
87. Agreeableness	2.7	.0	.00
88. Conscientiousness	2.5	.0	.00
89. Neuroticism	2.8	.0	.00
90. Extraversion	2.6	.0	.00
91. Agreeableness	2.9	.0	.00
92. Conscientiousness	2.7	.0	.00
93. Neuroticism	2.5	.0	.00
94. Extraversion	2.8	.0	.00
95. Agreeableness	2.6		

-9134

1201

1059

1000 - 1000

Year	1954	1955	1956	1957
1954	1269	1200	1269	1269
1955	1269	1200	1269	1269
1956	1269	1200	1269	1269
1957	1269	1200	1269	1269

151.

0360	9673	691
------	------	-----

333

1.229	623
1.229	1.229

012  
012  
012

Year	1990	1991	1992
1990	1990	1991	1992

11

295

[illegible]

CCCC:	0007:	0013:	400:	00:
-------	-------	-------	------	-----

36.4

[illegible]

...

1961. 2661.

1000

659'

1971 1972

6316-  
-524

1997-1998

694' - 4020'

1397 - 1398

**.070**

150. 6650

50. 1055. 5246

1557  
- 6739

**.065 -.9225**

923	- .5062	- .5672	- .5493
-----	---------	---------	---------

**.935                    - .4039                    - .7173**

100	100
100	100

656.  
-4343

2145 - 596 .969



ARC11-716 JAL14 OL+12+512N25+AT11 LOWER WING

(081110)

MACH (3) = 1.100 BETAD (4) = 4.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/CM	.2000	.3640	.6270	.9340	.6730	.7800	.8070
T/CM							
.000	-.3513	-.1102	.2800	.3205	.4262	.3779	.4327
.020				-.0503	-.2150	-.2792	-.2501
.030			.2336				
.040		.0143					
.048			.1549				
.050	-.2721			-.0595	-.1555	-.1705	-.1516
.080				-.0641			
.085			.1107				
.096		.1102					
.098	-.1098						
.150				-.0226	.0297	.0128	-.0032
.163		.1744					
.177			.0006				
.229	-.0038						
.246		.0013		.0206	.0594	.0977	-.0149
.290			.0027				
.274							
.362	.1019						
.390		.0920					
.400							
.402			.0011		.0467	.0923	-.0059
.437	.0059						
.550				-.0343	-.0216		
.565			-.0294				
.600							
.650					-.1833		-.1709
.700	-.0343			-.3239			
.725				-.4609			
.750							
.760			-.3090		-.3042	-.3659	
.775				-.5766	-.4319		
.800			-.5407				
.834	-.4334						
.850				-.7602	-.6140	-.5530	
.857			-.5729				
.865	-.5030						
.900	-.4407			-.7596	-.3533		-.5779
.905			-.5102				
.910				-.4595		.0000	
.953			-.2700				
.965	-.3090						

DATE 11 JAN 79  
TABULATED PRESSURE DATA - 1A14A - VOL. 5

(42318)

114 01120512029011 LOWER WING

6011 (S) = 1.109  
 6012 (S) = 0.139

SECTION 1	LOWER WING	DEPENDENT VARIABLE CP
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

Y/CM	.2893	.3640	.4273	.5340	.6730	.7893	.8870
X/CM	-.5793	-.0638	.5983	.2892	.3733	.3243	.3324
	.023		.0932	-.1978	-.2714	-.3495	
	.033		.0939				
	.043						
	.048	-.0178	.0699				
	.053		.0699	.0289	-.0910	-.1895	-.2462
	.063		.0676	.0353			
	.068						
	.074	.0352					
	.084						
	.113	-.2258		.0403	.0275	-.0245	-.0683
	.163		.0867				
	.177		.0734				
	.229	-.0419					
	.246		.0326				
	.253			.0428	.0286	.0236	-.0828
	.274		.0761				
	.362	.0638					
	.393	.0731		.0290	-.0233		-.0755
	.403		.0378				
	.432						
	.497	.0625					
	.533			-.1234	-.1438		-.2317
	.563		-.0923			-.2683	
	.603						
	.653						
	.733	-.1188		-.3734			
	.723			-.4189		-.4366	-.4275
	.753		-.3929				
	.763		-.3929	-.4818	-.4381		
	.773		-.3929				
	.808						
	.834	-.4336					
	.853			-.8182	-.5607	-.5797	
	.887		-.5712				
	.885	-.5953		-.4893	-.2858		-.6125
	.923	-.4378		-.4138	-.2858		
	.933		-.4138	-.2853		.5993	
	.957		-.2498				
	.983	-.2628					

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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ARC11-716 1A14 01+Y12+S12N25+AT11 LOWER WING

(RB1L10)

MACH (4) = 1.232 BETAO (1) = -0.060

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	.0285	.0183	.4860	.7694	.7234	.5618	.6873
.020				.0886	.0234	-.1276	-.1399
.030			.2573				
.040		.0138					
.048			.2306				
.050	-.0562			.1000	.0014	-.0758	-.0237
.060				.1203			
.085			.2301				
.086		.1224					
.094	-.0305						
.150				.1140	.0695	.1339	.2286
.163		.2314					
.177			.2565				
.229	-.0144						
.246		.2327					
.250				.0943	.3446	.3484	.2250
.274		.2158					
.362	.2105						
.390		.2511					
.400				.4122	.3786		.2322
.402			.3916				
.497	.2754						
.550				.3495	.2773		
.565			.4238				
.600						.0868	
.650					.0238		
.700	.5118			-.0910			
.725						-.1054	-.0883
.750			-.1703				
.760				-.2529	-.1284		
.775			-.3578				
.808							
.834	-.3604						
.850				-.4719	-.5008	-.2614	
.857		-.4950					
.865	-.4167						
.905	-.5380			-.5938	-.4742		-.2957
.905			-.5928				
.950				-.6516			.0000
.955			-.6552				
.965	-.5973						

MACH ( 4 ) = 1.244 BETA0 ( 2 ) = -4.030

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	-.0558	-.0414	.4140	.6803 .6395 .5763 .6038
.020			.0169	-.0766 -.2208 -.2620
.030		.1653		
.040		-.0312		
.048		.0856		
.050	-.1065		.0015	-.0598 -.1449 -.2019
.080			.0336	
.085		.1216		
.086		.0763		
.094	-.0994		.0873	.0387 -.0422 .1975
.150		.1747		
.163		.1812		
.177				
.229	-.0854	.1921		
.246			.0465	.1186 .3359 .2321
.250		.1661		
.274				
.362	.1293	.2016		
.390			.3567	.3566 .2095
.400		.3006		
.432			.3190	.2541
.497	.2209	.3729		.0533
.550				.0599
.565			-.0476	
.600			-.1086	
.650				-.1340 -.1214
.700	.4282			
.725		-.2019		
.750			-.2630	-.1590
.760		-.3894		
.775				
.800				
.834	-.3023		-.4808	-.3301 -.2903
.850		-.5160		
.857				
.865	-.4356		-.5991	-.3314
.900	-.5429			
.905		-.6095	-.5007	
.950			-.6972	.0000
.953		-.5615		
.965	-.5021			



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC:11-716 1A14 01+T12+S12N25+AT11 LOWER WING (R81L10)

MACH ( 4 ) = 1.249 BETA0 ( 3 ) = .030		DEPENDENT VARIABLE CP	
SECTION ( 1 ) LOWER WING			
X/CW	Y/OW		
.000	-.11173	.3635	.6007
.020		-.0064	-.1349
.030		.2359	-.2666
.040	-.0173		
.048		.1659	
.050	-.11194	-.0213	-.0926
.080		-.0124	-.1711
.085		.1545	-.2730
.086			
.094	-.1062		
.150		.0293	.0221
.163	.1958	-.0573	-.1186
.177		.1059	
.229	-.1159		
.246		.1213	
.250		-.0340	-.0293
.274		.1199	.0618
.362	.1358		.2302
.390		.1655	.2990
.400	.1410		.2144
.402		.1566	
.497	.1516	.2399	.2223
.550		.2278	
.565			.0369
.600			
.650		-.0727	.0445
.700	.2049	-.1626	
.725			-.1510
.750		-.2577	-.1443
.760		-.3097	
.775		-.1866	
.808		-.4300	
.834	-.3397		
.850		-.5181	-.3548
.857		-.3092	-.3090
.865	-.4010		
.900	-.5007	-.6321	-.3535
.905		-.5203	
.950		-.7144	.0000
.953		-.4156	
.965	-.4008		

(R01110)

ANC11-716 1A14 01+T12+S12M25+AT11 LOWER WING

MACH (4) = 1.246 BETAO (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.000	-.2320	-.1344
.020	.2601	.5139
.030	-.0049	.4430
.040	.2233	-.0503
.048	-.0320	-.2749
.050	.1369	-.3168
.060	-.1738	
.080	-.0271	-.1224
.085	-.0213	-.1682
.086	.0917	-.2204
.094	.0727	
.150	-.2035	
.163	-.0132	.0107
.177	.1688	.0228
.229	-.0365	.0766
.246	.0505	
.250		
.274	.0769	.0154
.362		.0159
.390	.0802	.0931
.400	.0872	.1264
.402		
.497	.0859	.0559
.550		.2272
.565	.0251	.1044
.600		.1340
.650		
.700	.0030	-.0307
.725		-.1603
.750		-.2840
.760	-.2907	
.775		-.2116
.808	-.4474	-.3836
.834		-.2693
.850	-.3593	
.857		-.4474
.865	-.4867	
.900	-.5507	-.4221
.905		-.3684
.950	-.6366	
.955	-.5256	-.6366
.965	-.4148	-.3989
	-.2977	.0000
.965	-.2805	



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 5

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ARC11-716 IAI4 OL+T12+S12+H25+AT11 LOWER WING

(R01118)

MACH ( 4 ) = 1.248    BETAO ( 5 ) = 0.150

SECTION ( 1 ) LOWER WING    DEPENDENT VARIABLE CP

Y/BW    .2990    .3640    .4270    .5340    .6730    .7800    .8870

X/CW

.000	-.4841	-.0935	.1085	.3905	.3038	.3158	.3427
.020				-.0338	-.2005	-.2819	-.3518
.030			.0957				
.040		-.0431					
.048			.0627				
.050	-.2883			.0037	-.1271	-.2078	-.2555
.080				.0206			
.083			.0587				
.086		.0203					
.094	-.2452						
.150				.0366	.0233	-.0309	-.0578
.163		.0759					
.177			.0637				
.229	-.0560						
.246		.0353		.0456	.0217	.0042	-.0646
.250			.0725				
.274							
.362	.0431						
.390		.0696					
.403				.0319	.0112		-.0039
.452			.0651				
.497	.0532						
.530				-.0685	-.0687		
.565			-.0482				
.600							
.650							-.1103
.700	-.0085				-.1502		
.725				-.3373	-.2814		
.750							
.760			-.3506			-.2985	-.2616
.775				-.3964	-.3660		
.808			-.4273				
.834	-.3762						
.850				-.4761	-.4640	-.4329	
.857			-.4526				
.865	-.4315						
.900	-.3715			-.4958			-.4515
.905			-.4032		-.3189		
.950				-.2589		.0000	
.953			-.2555				
.969	-.2346						





MACH ( 1 ) = .902      BETAO ( 1 ) = -9.895

SECTION: ( 1 ) LOWER WING

	.2990	.3640	.4270	.5340	.6730	.7900	.8870
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1933	1934	1935	1936	1937	1938	1939	1940	1941	1942	1943	1944	1945	1946	1947	1948	1949	1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341
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MACH ( 1 ) = .099 BETAC ( 2 ) = 10.090

SECTION ( LOWER WING	DEPENDENT VARIABLE CF
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Y/8W	.2990	.3640	.4270	.5340	.6730	.7890	.8670
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0.00	-0.1145	-0.0035	0.0103	-0.0461	-0.3235	-0.4890	-0.4973
0.00				-0.9980	-0.9464	-0.8521	-0.0403
0.00			-0.2093				
0.00		0.0315					
0.00			-0.1856				
0.00	-0.0979			-0.8642	-0.9570	-0.8679	-0.8648
0.00				-0.5911			

[illegible]

	-0.0329	
	-0.0935	
	.246	
	.250	
	.274	
	-1.1475	
	-2328	-3116 -1.1029 -1.0320

390	-	- 1127	-2362	-3106	-1.0493
400					
402			-1194		
497	-0.0854				
550			-3396	-4235	
565			-2998		

[illegible]

(R01L24)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

MACH ( 1 ) =	.899	BETA ( 2 ) =	12.090	
SECTION ( 3 ) LOWER WING				DEPENDENT VARIABLE CP
Y/BW	.2900	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.837				-.4205
.865	-.4849			
.900	-.4571			-.3332
.905				-.3715
.910				-.2491
.933				-.3035
.965	-.3747			
				-.2351
				-.1496
				.0900



(RBIL25) ( 27 SEP 73 )

PARAMETRIC DATA

ALPHA = -0.000 ELEVON = .000  
RUDDER = .000 SPDRK = .000

DATE 11 JAN 73  
TABULATED PRESSURE DATA - IAL14 - V.A. 5  
ARC11-716 IAL14 0°+112+512+25+AT10 LOWER WING

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.3600 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

MACH ( 1 ) = .899 BETAD ( 1 ) = -9.930

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP	CP	CP	CP	CP	CP
.000	.0645	.0903	.3553	.4131	.3174	.2266
.020	.020			-.9504	-.9676	-.7492
.030	.030		-.2280			-.6283
.040	.040	.0376				
.060		-.2201		-.4130	-.9750	-.7312
.080	-.0495			-.3179		-.6236
.100		-.1597				
.120	.006	.0910				
.140	-.0664			-.1505	-.2974	-.6082
.160	.153	.1015				-.6441
.180	.177	-.0607				
.200	.229	.0895		-.0199	-.0560	-.4757
.220	.246	-.0553				-.6237
.240	.250		.0108			
.260	.274			.0913	-.0296	-.5104
.280	.362	.1205	.0495			
.300	.390			-.0227	-.1626	
.320	.400		.1403			
.340	.402	.0785		.0861		-.3674
.360	.497				-.3260	
.380	.550			-.5487		-.5733
.400	.565					-.5225
.420	.600			-.4805		
.440	.650			-.7715	-.6989	
.460	.700	.2790				
.480	.725			-.8106		
.500	.750					
.520	.760			-.3266	-.2080	-.6279
.540	.775					
.560	.808			-.3697		
.580	.854	-.3935				
.600	.890			-.2532		-.3094
.620	.897	-.5200				
.640	.900	-.4634		-.2537	-.1718	
.660						

OF FOUR PAGES

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(201123)

ARC11-716 1A14 01+112+312M23+AT10 LOWER WING

MACH ( 1 ) = .899 BETAO ( 1 ) = -9.939

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/DW .2999 .3640 .4279 .5340 .6739 .7809 .8670

X/CW .990 .990 .990 .990 .990 .990 .990

.993 .993 .993 .993 .993 .993 .993

.995 .995 .995 .995 .995 .995 .995

MACH ( 1 ) = .898 BETAO ( 2 ) = 10.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/DW .2999 .3640 .4279 .5340 .6739 .7809 .8670

X/CW .990 .990 .990 .990 .990 .990 .990

.993 .993 .993 .993 .993 .993 .993

.995 .995 .995 .995 .995 .995 .995

.997 .997 .997 .997 .997 .997 .997

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DATE 11 JAN 75

TABULATED PRESSURE DATA - TAI14A - VOL. 5

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ARC11-716 TAI14 01+712+S12N25+AT10 LOWER WING

(R81L25)

MACH (1) = .800 BETAD (2) = 10.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6700	.7800	.8870
X/CW	.837						
	.863						
	.900						
	.905						
	.950						
	.953						
	.965						

X/CW

.837

.863

.900

.905

.950

.953

.965

-.4162

-.3006

-.3593

-.2181

-.1323

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REFERENCE DATA									
WREF =	2.4210	IN	WREF =	29.5800	INCHES	ALPMAD =	-6.000	ELEVON =	.000
LREF =	30.7000	INCHES	WREF =	.0000	INCHES	RUDDER =	.000	SPDRK =	.000
WREF =	30.7000	INCHES	WREF =	.0000	INCHES				
SCALE =	.0300	SCALE							
PARAMETRIC DATA									
MACH ( 1 ) =	.097	BETA0 ( 1 ) =	-9.940						
SECTION ( 1 ) LOWER WING									
					DEPENDENT VARIABLE CP				
Y/OW	X/OW	Y/OW	X/OW	Y/OW	X/OW	Y/OW	X/OW	Y/OW	X/OW
.000	.000	.000	.000	.000	.000	.000	.000	.000	.000
.020	.020	.020	.020	.020	.020	.020	.020	.020	.020
.040	.040	.040	.040	.040	.040	.040	.040	.040	.040
.060	.060	.060	.060	.060	.060	.060	.060	.060	.060
.080	.080	.080	.080	.080	.080	.080	.080	.080	.080
.100	.100	.100	.100	.100	.100	.100	.100	.100	.100
.120	.120	.120	.120	.120	.120	.120	.120	.120	.120
.140	.140	.140	.140	.140	.140	.140	.140	.140	.140
.160	.160	.160	.160	.160	.160	.160	.160	.160	.160
.180	.180	.180	.180	.180	.180	.180	.180	.180	.180
.200	.200	.200	.200	.200	.200	.200	.200	.200	.200
.220	.220	.220	.220	.220	.220	.220	.220	.220	.220
.240	.240	.240	.240	.240	.240	.240	.240	.240	.240
.260	.260	.260	.260	.260	.260	.260	.260	.260	.260
.280	.280	.280	.280	.280	.280	.280	.280	.280	.280
.300	.300	.300	.300	.300	.300	.300	.300	.300	.300
.320	.320	.320	.320	.320	.320	.320	.320	.320	.320
.340	.340	.340	.340	.340	.340	.340	.340	.340	.340
.360	.360	.360	.360	.360	.360	.360	.360	.360	.360
.380	.380	.380	.380	.380	.380	.380	.380	.380	.380
.400	.400	.400	.400	.400	.400	.400	.400	.400	.400
.420	.420	.420	.420	.420	.420	.420	.420	.420	.420
.440	.440	.440	.440	.440	.440	.440	.440	.440	.440
.460	.460	.460	.460	.460	.460	.460	.460	.460	.460
.480	.480	.480	.480	.480	.480	.480	.480	.480	.480
.500	.500	.500	.500	.500	.500	.500	.500	.500	.500
.520	.520	.520	.520	.520	.520	.520	.520	.520	.520
.540	.540	.540	.540	.540	.540	.540	.540	.540	.540
.560	.560	.560	.560	.560	.560	.560	.560	.560	.560
.580	.580	.580	.580	.580	.580	.580	.580	.580	.580
.600	.600	.600	.600	.600	.600	.600	.600	.600	.600
.620	.620	.620	.620	.620	.620	.620	.620	.620	.620
.640	.640	.640	.640	.640	.640	.640	.640	.640	.640
.660	.660	.660	.660	.660	.660	.660	.660	.660	.660
.680	.680	.680	.680	.680	.680	.680	.680	.680	.680
.700	.700	.700	.700	.700	.700	.700	.700	.700	.700
.720	.720	.720	.720	.720	.720	.720	.720	.720	.720
.740	.740	.740	.740	.740	.740	.740	.740	.740	.740
.760	.760	.760	.760	.760	.760	.760	.760	.760	.760
.780	.780	.780	.780	.780	.780	.780	.780	.780	.780
.800	.800	.800	.800	.800	.800	.800	.800	.800	.800
.820	.820	.820	.820	.820	.820	.820	.820	.820	.820
.840	.840	.840	.840	.840	.840	.840	.840	.840	.840
.860	.860	.860	.860	.860	.860	.860	.860	.860	.860
.880	.880	.880	.880	.880	.880	.880	.880	.880	.880
.900	.900	.900	.900	.900	.900	.900	.900	.900	.900
.920	.920	.920	.920	.920	.920	.920	.920	.920	.920
.940	.940	.940	.940	.940	.940	.940	.940	.940	.940
.960	.960	.960	.960	.960	.960	.960	.960	.960	.960
.980	.980	.980	.980	.980	.980	.980	.980	.980	.980
.990	.990	.990	.990	.990	.990	.990	.990	.990	.990



MACH (1) = .007 BEYAD (1) = -9.94G

SECTION 1 - FLOWER WING

7/84	.2995	.3645	.4275	.5345	.6735	.7825	.8875
------	-------	-------	-------	-------	-------	-------	-------

ADZK	986.	- .3305		
	987.	- .1691		
	988.	- .1525		.0005

MACM ( 1 ) = ( 1 ) MCM . 060 . BEAD ( 2 ) = 19.370

SECTION 1: LOWER WING

	Y/O	.2997	.3640	.4279	.5349	.6739	.8073
1							
2							
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98							

	.993	-.1779	.9283	.0613	.0675	-.0753	-.2472	-.3092
	.989				-.6214	-.9219	-.0259	-.7574

.003	.0597		
.048		-.0577	
.050	-.1291	-.2891	-.0249
.003		-.2119	-.0117

.066	.0327
.094	-.5976
.199	-.1417
	-.2315
	-.0570
	-.0501

1.177	- .0664
2.228	- .0324
3.246	- .0439
4.253	- .1277
	- .2572
	- .2791
	- .0363

	- .0299		
.162			
.193			
.473			
	- .3365		
		- .1665	- .2502
			- .4023

-.497	-.0421		
-.597		-.2657	-.3769
-.569		-.2466	
-.673			-.4376

.723	-.8234	-.4715
.725		-.4109
.793		-.5955
.760	-.4179	-.5715

- .679	- .6678
.034	- .6682
.053	- .5832
	- .5335
	- .2562

(R01126)

DATE '1 JAN 73  
TABULATED PRESSURE DATA - 1A14A - VOL. 3  
ARC51-VIA 1A14-010712-012020-0110 LOWER WING

WJVM : ( 1 ) 868  
C4130 : ( 2 ) 19.670

SECTION / MILLER WING DEFENDENT VARIABLE CF

7/84	.2993	.3643	.4273	.5343	.6733	.7053	.8073
------	-------	-------	-------	-------	-------	-------	-------

MX/2

647  
- .4339

500 - .4759

937 - 3930

555

555

553

905 - .5129

-.2074      -.1224

- .3464      - .1263

- .2915

**www.**



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 1503

ARC11-716 1A14 01+T12+S12N25+AT110 LOWER WING

(RB1L27) ( 27 SEP 73 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

## PARAMETRIC DATA

ALPHA = -4.000 ELEVON = .000  
 RUDDER = .000 SPEEDBRK = .000

MACH ( 1 ) = .899 BETAD ( 1 ) = -9.990

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP	
Y/BW	.2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW		
.000	.0977 .1880 .4715 .5821 .5246 .4620 .4766	
.020		
.030	.0602	
.040	.1905	
.048		
.050	.0067	
.060		
.080	.0226	
.085		
.086	.1949	
.094		
.100	.0216	
.150		
.163	.2104	
.177		
.229	.1254	
.246		
.250	.0497	
.274		
.352	.1170	
.390		
.400	.1475	
.402		
.497	.2049	
.550		
.565	.1162	
.600		
.650	.0069 -.1380	
.700		
.725	.3182	
.750		
.760		
.775		
.808		
.834		
.850		
.897		
.865		
.900		
.905		

ORIGINAL  
 OF POOR  
 QUALITY

(RB1L27)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01-712-S12N25-AT10 LOWER WING

**NCVM**    **( 1 )**    **= .099**    **CV130**    **( 1 )**    **= -9.990**

SECTION 1 LOWER WING

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

**MJ/X**

950 -1494 .0000

255.  
256.

-1302

**.96\$ - .337\$**

DATE 11 JAN 75 TABULATED PRESSURE DATA - IALIA - VOL. 5

ARC11-716 IALIA 01-712-512N25+AT10 LOWER WING

(RB1128) ( 27 SEP 73 )

PARAMETRIC DATA

ALPHA = .000 ELEVON = .000  
RUDDER = .000 SPEED = .000

REFERENCE DATA

SRF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BRF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.246 BETAD ( 1 ) = -10.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	.0481	.0739	.1478	.7921	.7296	.6848
.005	.020			.1324	.0170	-.1526	-.0312
.030	.040	.0214	.3223				
.048			.2604	.1443	.3003	-.0352	.0346
.050	-.0393			.1631			
.080			.2633				
.086		.1370					
.094	-.0213			.1634	.1320	.3087	.2273
.130		.2720					
.163			.2606				
.177	-.0220						
.246		.2605		.2946	.3600	.3277	.2457
.250			.2318				
.274							
.332	.3190	.2761		.4613	.3065		.2416
.390			.4365				
.400				.3877	.2866		
.402	.3083		.4365				
.497							.0889
.550							
.563							
.600							
.650							
.700	.5786			-.0368	-.0208		
.725							
.750				-.1617		-.0927	-.0734
.760							
.775				-.3386	-.1843	-.1262	
.808							
.834	-.2350						
.850				-.3896	-.2936	-.2583	
.857							
.865	-.2932			-.4312			
.900	-.4338						
.905				-.5369	-.5044		-.2893
					-.4797		

ORIGINAL OF FORCE



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L20)

ARC11-716 1A14 OR+T12+312N25+AT10 LOWER WING

MACH ( 1 ) = 1.246 BETAO ( 1 ) = -10.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
.950  
.953  
.965  
-1.5924  
-1.6199  
-1.5368  
.0000

MACH ( 1 ) = 1.245 BETAO ( 2 ) = -7.960

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
.000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.086  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.530  
.565  
.600  
.650  
.700  
.725  
.750  
.760  
.775  
.808  
.834  
.850  
.4935  
.7589  
.1088  
.2909  
.2385  
.1276  
.1412  
.2472  
.1719  
.2314  
.2508  
.2376  
.2073  
.2328  
.4201  
.4290  
.3720  
.2752  
.0781  
-1.0476  
-1.0309  
-1.1772  
-1.1941  
-1.1372  
-1.3596  
-1.1041  
-1.0890  
-1.3115  
-1.2703  
.6451  
-1.1940  
-1.0306  
-1.1230  
-1.0103  
.3159  
.2037  
.2345  
.2259  
.0751  
-1.3115  
-1.2703



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAI4A - VOL. 5

(RB11L20)

ARC11-716 TAI4 01\*112\*512\*25\*AT10 LOWER WING

MACH ( 1 ) = 1.245 BETAO ( 2 ) = -7.963

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

-.4635

.857

-.3281

.900

-.4675

.905

.950

.953

.965

-.5043

MACH ( 1 ) = 1.248 BETAO ( 3 ) = -6.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.900

.920

.930

.940

.948

.950

.960

.985

.986

.994

.150

.163

.177

.229

.246

.250

.274

.362

.390

.400

.402

.497

.550

.565

.600

.650

.700

.725

.790

.760

-.0177

-.0396

.4572

.7219

.6626

.6066

.6394

.0673

-.0575

-.2287

-.1997

.1872

-.0095

.2099

.0750

-.0505

-.1539

-.1225

.1270

.2196

.1234

.0439

.1084

.1940

.2144

.2386

.2167

.0941

.3299

.3426

.2211

.1695

.2358

.4173

.3716

.2208

.3864

.3583

.2673

.4055

.0678

-.0393

-.0372

-.1148

-.1013

-.1875

(R01L20)

TABULATED PRESSURE DATA - P. 4A - VOL. 5

DATE 11 JAN 75

ARC11-716 1A14 01+712+512H25+AT10 LOWER WING

MACH ( 1 ) = 1.240 BETAO ( 3 ) = -6.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.2027	-.1466		
.806			-.3578				
.834	-.2467						
.850				-.4057	-.3196	-.2794	
.857			-.4437				
.865	-.3027						-.3149
.900	-.4281			-.5181	-.4938		
.905			-.5392			.0000	
.950				-.6044			
.953			-.6225				
.965	-.5013						

MACH ( 1 ) = 1.247 BETAO ( 4 ) = -3.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0603	-.0388	.4157	.6842	.6249	.5627	.5922
.020				.0402	-.0880	-.2656	-.2799
.030			.1586				
.040		-.0417					
.048			.1134				
.050	-.1113			.0396	-.0644	-.1718	-.2080
.080				.0881			
.085			.2215				
.086		.0697					
.094	-.1047			.1179	.0300	-.0425	.1717
.150			.2110				
.162		.1647					
.177							
.229	-.0896						
.246		.2086		.0680	.2629	.3357	.2277
.250			.1722				
.274							
.362	.1711						
.390		.2120					
.400				.3858	.3584		.2086
.402			.3395				
.497	.2458			.3369	.2552		
.550			.3768				
.565							.0483
.600						.0552	
.650							



(R81L28)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
ARC11-716 IAI4 Q112+312N25+110 LOWER WING

MACH ( 1 ) = 1.247 BETAD ( 4 ) = -3.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.5730	.7800
.6870		

Y/BW	X/CW	CP
.4340		-.0496
.700		-.0696
.725		-.1268
.750		-.1143
.760		
.775		-.2011
.808		-.2141
.834		-.1580
.850		-.3766
.857		
.865		-.4154
.900		-.3309
.905		-.2904
.925		-.4555
.930		
.950		-.5271
.953		-.5027
.965		-.6126
		.0000
		-.5280
		-.3286

MACH ( 1 ) = 1.246 BETAD ( 5 ) = -2.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.5730	.7800
.6870		

Y/BW	X/CW	CP
.4340		.3757
.700		.6437
.725		.5249
.750		.5507
.760		.0242
.775		-.1260
.808		-.2850
.834		-.3097
.850		
.857		.1887
.865		
.900		.1258
.905		.0055
.925		-.0730
.930		-.1832
.950		-.2639
.953		.0352
.965		.2350
		.0424
		.1041
		.0136
		-.0599
		.1468
		.1847
		.1378
		.2026
		.0497
		.1011
		.3033
		-.2313
		.1511
		.1815
		.3367
		.3375
		.2071
		.2723
		.2136

(R01L20)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

APC11-716 1A14 01+T12+512N25+AT10 LOWER WING

MACH ( 1 ) = 1.246 BETAO ( 3 ) = -2.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.550 .3087 .2595  
 .565 .3268  
 .606 .0453  
 .623 .0618  
 .700 .3600  
 .725 .0920  
 .760 .2187  
 .775 .2360  
 .808 .3862  
 .834 .2172  
 .850 .1302  
 .857 .1302  
 .865 .4340  
 .900 .3436  
 .935 .3024  
 .950 .5454  
 .953 .5132  
 .955 .0000  
 .955 .6283  
 .955 .0000  
 .955 .3403

MACH ( 1 ) = 1.246 BETAO ( 3 ) = .010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .1260 .0976 .3867 .5930 .5249 .4737 .5039  
 .020 .0083 .1197 .3029 .3323  
 .030 .2793  
 .040 .1925  
 .050 .0104 .0934 .1995 .2993  
 .060 .0021  
 .085 .1434  
 .086 .0869  
 .094 .2351  
 .150 .1331  
 .163 .0521 .0021 .0733 .0929  
 .177 .1207  
 .229 .0105 .0044 .1811 .2268  
 .246 .1229  
 .250 .1229  
 .274 .1229  
 .362 .1772





(R01L20)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
ARC11-716 IAI4 01+Y12+S12+25+AT10 LOWER WING

MACH (1) = 1.246 BETAD (6) = .010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .5730 .7000 .8870

A/CW

.390	.1516		.1954	.2993		.2000
.400		.1018				
.402						
.497	.1636		.2440	.2145		
.550		.2281				
.565						.0236
.600					.0319	
.650					-.0815	
.700	.2329		-.1487			
.725					-.1537	-.1459
.750						
.780		-.2188		-.2929	-.1925	
.775						
.808		-.3489				
.834	-.2253					
.850			-.4861	-.3628	-.3191	
.857		-.4496				
.865	-.2976					
.900	-.3380		-.5881			-.3587
.905		-.5524		-.5275		
.950			-.6290			.0000
.955		-.5096				
.965	-.3299					

DATE 11 JAN 75

(ROLL 29) ( 27 SEP 75 )

ARC11-716 1A14 010120120230110 LOWER WING

PARAMETRIC DATA

ALPHA0 = -10.000 ELEVON = .000  
RUDDER = .000 SPOILER = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. ZMRP = 29.5000 INCHES  
LREF = 30.7090 INCHES YMRP = .0000 INCHES  
BREF = 30.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0000 SCALE

MACH ( 1 ) = 1.245 BETAD ( 1 ) = .030

SECTION ( 1 ) LOWER WING DEFICIENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1371	-.2840	.0786	.3125	.1091	.1072	.1514
.020				-.6129	-.6587	-.6372	-.5749
.030		-.2336	-.2291				
.040			-.1670				
.048				-.6085	-.6631	-.6328	-.5754
.053	-.2132			-.5321			
.060			-.1060				
.065		-.1373					
.086							
.034	-.1767			-.3372	-.6119	-.6381	-.5769
.150		.0444					
.163			-.1567				
.177	-.1170						
.229		-.0257		-.1306	-.5867	-.6170	-.5031
.246							
.250			-.0651				
.274							
.362	.0463			-.0803	.0221		-.5419
.390		-.0943					
.400							
.402			-.0455				
.497	.0598			-.0009	.0147		
.550							
.565			-.0642				-.5626
.600							
.650					-.0480		
.700	.0982			-.2181	-.1682		
.725						-.1791	-.6053
.750			-.2661				
.760				-.3519	-.2956		
.775			-.3516				
.800							
.834	-.2030			-.4858	-.4422	-.3599	
.850			-.4544				
.857							
.865	-.3541			-.5609			-.3826
.900	-.3267						
.905			-.4865		-.3719		



(881129)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+T12+S12+25+AT10 LOWER WING

MACH (1) = 1.245 BETAD (1) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW	.930			-.4870		.0000	
	.933		-.3807				
	.965	-.3132					

X/CW

.930

.933

.965

.0000

-.4870

-.3807

-.3132

ARC11-716 1A14 OR-112-S12M25-AT11 LOWER WING

(RB1L30) ( 02 OCT 75 )

## REFERENCE DATA

SREF = 2.4210 50-PT. XMRP = 29.5800 INCHES  
 LREF = 30.7500 INCHES YMRP = .0000 INCHES  
 BREF = 30.7500 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

MACH ( 1 ) = .972 BETA ( 1 ) = .940

## SECTION ( 1 ) LOWER WING

## DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.2807	.1329	.4198	.5412	.4774	.4335	.4546
.020				-.1194	-.2223	-.2558	-.2819
.030			.2202				
.040		.2113					
.048			.1208				
.050	.0016			-.0694	-.1429	-.1501	-.1595
.060				-.0527			
.085			.0929				
.086		.2308					
.094	.0238			.0044	.0339	.0226	-.0608
.152		.2374					
.163			.0681				
.177							
.229	.1301						
.246		.0988					
.250				.0550	.0449	.0221	-.1039
.274			.0818				
.342	.1815						
.390		.1023					
.400				.1089	.0317		-.1086
.402			.1198				
.497	.1124			-.0561	-.0878		
.550			.0376				
.565							
.600							-.3068
.650						-.3103	
.700	.0816			-.5284	-.4571		
.725						-.5510	-.5405
.750							
.760			-.5856				
.775				-.6908	-.6293		
.775			-.7683				
.808							
.834	-.5836						
.852				-.7007	-.6043	-.7474	
.857			-.8138				
.865	-.9841						
.900	-.9305			-.4752	-.3918		-.7751
.905			-.4897				



(881,390)

ARC11-716 1A14 D10712+512N25+AT11 LOWER WING

MACH ( 1 ) = .972 BETAD ( 1 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.990

.953

.965 -.3726

-.3261

-.4698

.0000

MACH ( 2 ) = 1.002 BETAD ( 1 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.930

.920

.930

.940

.948

.950

.960

.965

.935

.994

.150

.165

.177

.220

.246

.250

.274

.362

.390

.400

.406

.487

.550

.565

.600

.630

.700

.725

.730

.760

.775

.808

.834

.850

.4303

.4383

.4600

.2608

.2016

.1572

-.2453

.2358

-.1248

.2567

.0996

.1246

.1144

.1306

.1530

.0704

.0325

-.1648

-.5673

-.6230

-.7435

-.8335

-.7418

-.6835

.5683

.5108

.4687

-.0579

-.1617

-.2007

-.0183

-.0929

-.1011

-.1454

-.0109

.0413

.0713

.0426

-.0108

.0906

.0708

.0606

-.0396

.1402

.0808

-.0840

.0325

-.0464

-.2679

-.2373

-.4077

-.1648

-.4856

-.4830

-.5492

-.6230

-.7435

-.8335

-.7418

-.6835

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L3D)

ARC11-716 1A14 010112+412N25+AT11 LOWER WING

MACH ( 2 ) = 1.028 BETA ( 1 ) = .940

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.857			-.8112				
.865	-.6040						
.900	-.5655		-.4540				-.7103
.925			-.4481	-.4312			
.950			-.4479		.0000		
.955			-.3704				
.965	-.3852						

MACH ( 3 ) = 1.025 BETA ( 1 ) = .940

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2940	.0613	.4185	.5644	.3181	.4031	.5045
.020				-.0889	-.1305	-.1699	-.1139
.030			.2574				
.040		.1690					
.048			.1542				
.050	-.2670		-.0504	-.0671	-.0708	-.1107	
.080			-.0408				
.085		.2160	.1284				
.086							
.094	-.1950			.0136	.0930	.0721	.0195
.150		.2415					
.163			.1009				
.177							
.229	.0700	.1188		.0708	.1035	.0911	-.0300
.246			.1192				
.270							
.274	.1000	.1350		.1202	.1140		-.0320
.362				.1836			
.390							
.400							
.432							
.497	.1374			.0214	-.0169		
.550			.0545				-.2220
.565						-.2339	
.600							
.610							
.700	.1280			-.0224	-.3704		
.725							-.4585
.750							-.4432
.760							



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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ARC11-716 1A14 51+712+512N25+AT11 LOWER WING

(R81L30)

MACH (3) = 1.025 BETAO (1) = .040

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7000 .8070

X/CW

.775 -.6698 -.5081

.808 -.7211

.834 -.5206

.850

.857

.865

.900

.905

.950

.953

.965

-.9278

-.6958

-.6414

-.5126

-.4416

-.4267

-.5035

-.3781

-.6599

.0000

-.3711

OFFICE  
DELEGATION

ARC11-716 1A14 OR+T12+S12+25+AT10 LOWER WING (RR1L31) ( 06 FEB 74 )

## REFERENCE DATA

SREF = 2.4615 SQ.FT. XMRP = 29.3800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA( 1 ) = -10.140 BETAD ( 1 ) = -8.370

## PARAMETRIC DATA

MACH = .900 ELEVON = .000  
 RUDDER = .000 SPOBRK = .000

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP	
Y/BW		
X/CM		
.000	.0155	.0114
.020	.0200	.0200
.030	.0300	.0300
.040	.0400	.0400
.050	.0500	.0500
.060	.0600	.0600
.070	.0700	.0700
.080	.0800	.0800
.090	.0900	.0900
.100	.1000	.1000
.110	.1100	.1100
.120	.1200	.1200
.130	.1300	.1300
.140	.1400	.1400
.150	.1500	.1500
.160	.1600	.1600
.170	.1700	.1700
.180	.1800	.1800
.190	.1900	.1900
.200	.2000	.2000
.210	.2100	.2100
.220	.2200	.2200
.230	.2300	.2300
.240	.2400	.2400
.250	.2500	.2500
.260	.2600	.2600
.270	.2700	.2700
.280	.2800	.2800
.290	.2900	.2900
.300	.3000	.3000
.310	.3100	.3100
.320	.3200	.3200
.330	.3300	.3300
.340	.3400	.3400
.350	.3500	.3500
.360	.3600	.3600
.370	.3700	.3700
.380	.3800	.3800
.390	.3900	.3900
.400	.4000	.4000
.410	.4100	.4100
.420	.4200	.4200
.430	.4300	.4300
.440	.4400	.4400
.450	.4500	.4500
.460	.4600	.4600
.470	.4700	.4700
.480	.4800	.4800
.490	.4900	.4900
.500	.5000	.5000
.510	.5100	.5100
.520	.5200	.5200
.530	.5300	.5300
.540	.5400	.5400
.550	.5500	.5500
.560	.5600	.5600
.570	.5700	.5700
.580	.5800	.5800
.590	.5900	.5900
.600	.6000	.6000
.610	.6100	.6100
.620	.6200	.6200
.630	.6300	.6300
.640	.6400	.6400
.650	.6500	.6500
.660	.6600	.6600
.670	.6700	.6700
.680	.6800	.6800
.690	.6900	.6900
.700	.7000	.7000
.710	.7100	.7100
.720	.7200	.7200
.730	.7300	.7300
.740	.7400	.7400
.750	.7500	.7500
.760	.7600	.7600
.770	.7700	.7700
.780	.7800	.7800
.790	.7900	.7900
.800	.8000	.8000
.810	.8100	.8100
.820	.8200	.8200
.830	.8300	.8300
.840	.8400	.8400
.850	.8500	.8500
.860	.8600	.8600
.870	.8700	.8700
.880	.8800	.8800
.890	.8900	.8900
.900	.9000	.9000
.910	.9100	.9100
.920	.9200	.9200
.930	.9300	.9300





(RB1631)

ARC11-716 1A14 01+712+312N25+AT10 LOWER WING

ALFMAO( 1 ) = -10.140  
BETAO ( 1 ) = -0.370

SECTION 11235 (1) LOWER WING

	INTERCORRELATION	DEPENDENT VARIABLE CR
1/8W	.2990	.3640
1/4W	.3530	.4270
1/2W	.4070	.5340
3/4W	.4610	.6730
1/8C	.2990	.3640
1/4C	.3530	.4270
1/2C	.4070	.5340
3/4C	.4610	.6730
1/8W	.2990	.3640
1/4W	.3530	.4270
1/2W	.4070	.5340
3/4W	.4610	.6730
1/8C	.2990	.3640
1/4C	.3530	.4270
1/2C	.4070	.5340
3/4C	.4610	.6730

ALFMAO( 1 ) = -10.130  
BETAO ( 2 ) = -6.560

SECTION (1) LOWER WING

[illegible]

(881L31)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+112+312N23+AT10 LOWER WING

ALPHA( 1 ) = -10.130 BETA( 2 ) = -6.360

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.837 -.4362  
.865 -.4736  
.900 -.4123  
.905 -.2780  
.950 -.2327  
.953 -.2344  
.965 -.3393

-.3936

.0000

ALPHA( 1 ) = -10.130 BETA( 3 ) = -4.840

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0240 .1716 .2086 .0635 -.0654 -.0165  
.020 .0000 -.9716 -.7733 -.6567  
.030 -.4184  
.040 -.0197  
.048 -.3387  
.050 -1.0170 -.9686 -.7600 -.6395  
.080 -.7867  
.085 -.2624  
.086 .0231

-.0807

.190

.163

.177

.229

.246

.250

.274

.362

.390

.400

.432

.497

.530

.565

.600

.650

.700

.785

.750







DATE 11 JAN 75

TABULATED PRESSURE DATA - IAL14A - VOL. 5

PAGE 1603

ARC11-716 IAL14 01+112+512N25+AT10 LOWER WING

(R81L31)

ALPHA(1) = -10.040 BETA(5) = -1.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.1313	-.2213		
.565			-.0487				
.600							-.6516
.650					-.2854		
.700	.0684			-.5450			
.725				-.5751			
.750							-.5525
.760			-.4506				-.4927
.775				-.8279	-.7246		
.808			-.6757				
.834	-.3528						
.850				-.3758	-.3391	-.6971	
.857			-.4125				
.865	-.3693						
.900	-.3306		-.2887				-.4710
.925			-.3105		-.2227		
.950				-.2515		.0000	
.953			-.2849				
.965	-.3203						

ALPHA(1) = -10.040 BETA(6) = .100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0082	-.0129	.1066	.0828	-.0892	-.2344	-.1876
.020				-.1150	-1.0890	-.8597	-.7345
.030			-.3721				
.040		.0308					
.048			-.3272				
.050	-.0471			-.1080	-.9787	-.8479	-.7295
.080				-.6307			
.085			-.2597				
.086		.0378					
.094	-.0436						
.150				-.3201	-1.0710	-.9480	-.7407
.163		.0224					
.177			-.2108				
.229	.0583						
.245		-.1334					
.250				-.2102	-.4258	-1.0920	-.8168
.274							
.362	.0442		-.1840				

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L31)

ARC11-716 1A14 01-712-512N25+AT10 LOWER WING

ALPHA(1) = -10.040 BETA(6) = .100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.390	-.1112				-.0873	-.1276		-.0965
.400					-.0664			
.402								
.497	-.0671				-.1644	-.2504		
.550					-.0934			-.6780
.565								
.600								
.650								
.700	-.0050				-.5766	-.5611		-.3205
.725								
.750								
.760					-.4346	-.8101	-.7400	-.5744
.775					-.6079			-.4806
.808								
.834	-.3297				-.3741	-.3126	-.5932	
.850					-.4191			
.857								
.865	-.3552				-.2783			-.4596
.900	-.3065				-.3346	-.2154		
.905					-.2115			.0000
.950					-.2936			
.955								
.965	-.2990							

ALPHA(1) = -10.040 BETA(7) = 1.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.390	.0210	.0198	.1056	.0563	-.1310	-.2063	-.2473	
.420				-.11040	-.10690	-.0836	-.7941	
.430				-.3167				
.440			.0668					
.448			-.2785					
.450	-.0193			-.10350	-.9314	-.0700	-.7898	
.480				-.7535				
.485				-.2255				
.486			.0563					
.494	-.0123							
.499								
.465			.0276		-.3203	-.11490	-.0832	-.7986
.477								
.429	.0499				-.1923			



DATE 11 JAN 73 TABULATED PRESSURE DATA - IAI44 - VOL. 5  
ARC11-716 IAI4 01+T12+S12N25+ATT10 LOWER WING (881L31)

ALPHAD (1) = -10.060 BETAD (7) = 1.810

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.248							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

ALPHAD (1) = -10.130 BETAD (8) = 3.580

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - V2. 3  
ARC11-716 1A14 OR-TIP-SIGNES+AT10 LOWER WING

(081L31)

ALPHA(1) = -10.130 BETA(0) = 3.980

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/BW	.8000	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.150							
.163		.0310					
.177			-.1741				
.229	.0366						
.246		-.0030					
.250							
.274			-.1441				
.362	.0224						
.390		-.0886					
.400							
.402			-.1083				
.497	-.0508						
.550			-.2214	-.3147			
.565							
.600							
.650							
.700	-.1324						
.725							
.750							
.760							
.775							
.808							
.834	-.3321						
.850							
.857							
.865	-.3436						
.900	-.3324						
.905							
.950							
.953							
.965	-.3289						

ALPHA(1) = -10.130 BETA(0) = 3.250

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000							
.020	-.0223	.0166					
.029							
.030							
.040							
.048							
.050							





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+T12+S12M23+AT10 LOWER WING (R01L31)

ALPHA(1) = -10.130 BETA(9) = 5.230

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/Cu .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/Cu

.000						
.005						
.006						
.009						
.150						
.163						
.177						
.220						
.246						
.250						
.274						
.362						
.390						
.400						
.402						
.497						
.550						
.565						
.600						
.650						
.700						
.725						
.750						
.760						
.775						
.800						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						

(081L31)

DATE 11 JAN 75  
TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 04+112+312M25+AT10 LOWER WING

ALPHA(1) = -10.125 BETA(110) = 7.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW .2000 .3640 .4270 .5340 .6730 .7000 .8070

X/CM	CP	CP	CP	CP	CP	CP
.000	-.0334	-.0051	.0677	-.0029	-.2504	-.4205
.020				-1.0350	-.9717	-.8351
.040			-.2860			-.0352
.060		.0277				
.080			-.2279			
.100	-.0463			-.0200	-.9697	-.8503
.120				-.3723		
.140			-.1879			
.160		.0190				
.180	-.0403					
.200				-.2692	-1.1100	-1.0200
.220						-.8967
.240						
.260						
.280						
.300						
.320						
.340						
.360						
.380						
.400						
.420						
.440						
.460						
.480						
.500						
.520						
.540						
.560						
.580						
.600						
.620						
.640						
.660						
.680						
.700						
.720						
.740						
.760						
.780						
.800						
.820						
.840						
.860						
.880						
.900						
.920						
.940						
.960						
.980						
.000						



DATE 11 JAN 73 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARCL1-716 1A14 01+12+512H25+AT15 LOWER WING (R01L31)

ALPHAS(1) = -10.130 BETAS(1) = 0.700

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/CM	.2990	.3640	.4270	.5340	.6730	.7030	.8070
Z/CM							
.000	-.0043	-.0033	.0314	-.0274	-.2941	-.4593	-.4488
.020				-1.0040	-.9505	-.8351	-.8472
.030			-.2431				
.040		.0230					
.048			-.1988				
.050	-.0734			-.8912	-.9632	-.8629	-.8646
.080				-.5946			
.085			-.1837				
.086		.0225					
.094	-.0746						
.150				-.2648	-1.0560	-1.0110	-.9922
.163		.0116					
.177			-.1873				
.223	-.0026						
.246		-.0030		-.2234	-.2973	-1.0360	-1.0050
.250							
.274			-.1414				
.362	.0018						
.390		-.1073					
.400				-.2205	-.3041		-1.0370
.402			-.1597				
.497	-.0706			-.3282	-.4180		
.550			-.2838				
.565							
.600							
.650							
.700	-.2404			-.4953	-.5668	-.5299	-.7931
.725							
.750							
.760			-.4543				
.775			-.6498	-.6224			
.800			-.3197				
.834	-.4830						
.850			-.4314	-.3305	-.2259		
.857			-.4354				
.965	-.9032						
.970	-.4173						
.975			-.3250				
.995			-.3733	-.1521			
.998			-.2234				
.999			-.3005				
.965	-.3330						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 5

PAGE 1611

ARC11-716 IA14 01+112+S12N25+AT110 LOWER WING

(R81L31)

ALPHA(2) = -6.120 BETA(2) = -8.640

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.000	.0382	.0633	.3013	.3435	.2260	.1207	.1791
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.352							
.390							
.400							
.402							
.497							
.550							
.563							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.806							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

-.0617  
-.2375  
-.1775  
.0801  
-.0723  
.0799  
-.0517  
-.0250  
.0217  
.1085  
-.0524  
-.1913  
.0953  
-.4922  
-.6026  
-.3904  
-.3876  
-.4018  
-.4114  
-.2588  
-.2044  
-.2088  
-.3310

-.5727  
-.3379  
-.1907  
-.0514  
.0626  
-.0324  
-.5640  
-.7710  
-.3939  
-.2857  
-.2023  
-.2044  
-.4310  
-.3546  
-.6453  
-.5364  
-.7097  
-.2728  
-.3901  
-.3068  
-.0000

-.7448  
-.6424  
-.7520  
-.6546  
-.0547  
-.5748  
-.4310  
-.3546  
-.6453  
-.5364  
-.7097  
-.2728  
-.3901  
-.3068  
-.0000

(R01L31)

ARC11-716 IA14 01+T12+S12N25+AT10 LOWER WING

ALPHAO (2) = -0.120 BETAO (3) = -4.940

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.2990	.5340	.6730
.2990	.7800	.8870
.000	.0267	.0486
.020	.2704	.2990
.030	.1844	.0704
.040	.1233	-1.0190
.050	-.9711	-.7497
.060	-.6528	-.2617
.070	.0386	-.2332
.080	-.7016	-.9814
.090	-.7302	-.6466
.100	-.3752	-.1937
.110	.0674	-.2205
.120	-.6240	-.7769
.130	-.6630	-.1240
.140	.0701	-.0688
.150	-.0681	-.0304
.160	.0954	-.0081
.170	.0210	.0845
.180	-.0646	-.2099
.190	.0334	-.5675
.200	-.3681	-.5354
.210	-.6539	-.5292
.220	-.4837	-.7841
.230	-.7299	-.7774
.240	-.3879	-.2884
.250	-.4011	-.3983
.260	-.2961	-.2961
.270	-.2048	-.2714
.280	.0900	-.2213
.290	-.2289	-.3258
.300	-.4598	-.4598
.310	-.3888	-.3888
.320	-.2991	-.2991
.330	-.2048	-.2048
.340	-.0900	-.0900
.350	-.2289	-.2289
.360	-.3258	-.3258



(RBIL31)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - V2L 5  
ARC11-716 1A14 01+112+512025+AT10 LOWER WING

ALPHA(2) = -0.130 BETA(4) = -3.270

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0217	.0368	.2411	.2595	.1200	.0105	.0612
.020			-1.0240	-.9921	-.7713	-.6738	
.030			-.2758				
.040		.0422					
.048		-.2598					
.050	-.0630		-.7527	-.9941	-.7532	-.6574	
.080			-.4001				
.085			-.1985				
.086		.0655					
.094	-.0690			-.2508	-.7423	-.0231	-.6619
.150		.0650					
.163			-.1409				
.177							
.229	.0643	-.0801					
.246			-.0829	-.1031	-.0678	-.8969	-.7007
.274							
.352	.0740	-.0296					
.390				.0184	-.0846		-.7248
.400				-.0844	-.2155		
.402			.0061				
.497	.0059					-.3874	-.5556
.550				-.5743	-.5586		
.565						-.6600	-.4986
.600				-.4868	-.7478		
.650				-.7620			
.700	.1595			-.3767	-.3011	-.3575	
.725							
.750							
.760							
.775							
.808							
.834	-.3711						
.850							
.857							
.865	-.4432						
.920	-.3771			-.2962	-.2129		-.2986
.935				-.2847			
.950				-.2356			.0000
.965				-.2456			
.985	-.3192						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 AFC11-716 1A14 01+112+512N25+AT10 LOWER WING

(R01L31)

ALPHAO (2) = -0.135 BETA0 (3) = -1.600

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4275	.5340	.6730	.7000	.8870
X/CW							
.000	.0221	.0315	.2190	.2159	.0777	-.0444	.0116
.020				-1.0210	-1.0020	-.7951	-.6849
.030				-.2764			
.040		.0463					
.048			-.2624				
.050	-.0528			-.7752	-.9946	-.7761	-.6660
.080				-.4277			
.085			-.2003				
.086		.0622					
.094	-.0591			-.2017	-.0132	-.0504	-.6695
.150		.0609					
.163			-.1565				
.177							
.229	.0593	-.0906					
.246				-.1280	-.0836	-.0768	-.7419
.250			-.1042				
.274							
.362	.0659						
.390		-.0533		-.0133	-.1062		-.7023
.400			.0174				
.402							
.497	-.0163			-.1079	-.2295		
.550			-.0297				
.565						-.4042	-.5520
.600							
.650				-.5727			
.700	.0924						
.725							
.750							
.760			-.4526				
.775				-.0037	-.7552		
.808			-.0750				
.834	-.3458						
.850				-.3495	-.2845	-.2746	
.857			-.4042				
.865	-.3042						
.900	-.3301			-.2561			-.2270
.905			-.3011		-.2108		
.950				-.2068		.0002	
.955			-.2643				
.965	-.3084						





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TABULATED PRESSURE DATA - IAI14A - VOL. 3

PAGE 1815

ARC11-716 IAI14 OL+T12+S12M25+AT110 LOWER WING

(R81L31)

ALFMA3(2) = -8.130 BETA0 (6) = .010

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0237	.0369	.1987	.1759	.0233	-.1099	-.0464
.020				-1.0230	-1.0170	-.8271	-.7017
.030			-.2442				
.040		.0654					
.048			-.2467				
.050	-.0373			-.7637	-1.0150	-.8140	-.6862
.060				-.4460			
.085			-.2051				
.086		.0686					
.094	-.0448						
.130				-.3023	-.8720	-.9169	-.6929
.163		.0671					
.177			-.1626				
.229	.0598						
.246		-.0888					
.250				-.1604	-.1201	-.9530	-.7854
.274			-.1213				
.362	.0600						
.390		-.0667					
.400				-.0533	-.1347		-.8484
.402			-.0249				
.497	-.0303			-.1374	-.2496		
.550			-.0696				
.600						-.5048	
.650					-.4303		
.700	.0086			-.5652			
.725						-.6976	-.3920
.750							
.760			-.4273	-.7918	-.7634		
.775			-.5762				
.808							
.834	-.3231			-.3652	-.2787	-.2574	
.850			-.3882				
.857							
.865	-.3511						
.900	-.2987			-.2462			-.2403
.935			-.3034		-.1811		
.950				-.1908		.0700	
.955			-.2618				
.965	-.2884						

(R01L31)

ARC11-716 IAI4 01+112+312M25+AT10 LOWER WING

ALPHA( 2 ) = -0.120 BETAO ( 7 ) = 1.700

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	.0245	.0589	.1921	.1470	-.0163	-.1610
.020	.020						
.030	.030						
.040	.040						
.050	.050						
.060	.060						
.070	.070						
.080	.080						
.090	.090						
.100	.100						
.110	.110						
.120	.120						
.130	.130						
.140	.140						
.150	.150						
.160	.160						
.170	.170						
.180	.180						
.190	.190						
.200	.200						
.210	.210						
.220	.220						
.230	.230						
.240	.240						
.250	.250						
.260	.260						
.270	.270						
.280	.280						
.290	.290						
.300	.300						
.310	.310						
.320	.320						
.330	.330						
.340	.340						
.350	.350						
.360	.360						
.370	.370						
.380	.380						
.390	.390						
.400	.400						
.410	.410						
.420	.420						
.430	.430						
.440	.440						
.450	.450						
.460	.460						
.470	.470						
.480	.480						
.490	.490						
.500	.500						
.510	.510						
.520	.520						
.530	.530						
.540	.540						
.550	.550						
.560	.560						
.570	.570						
.580	.580						
.590	.590						
.600	.600						
.610	.610						
.620	.620						
.630	.630						
.640	.640						
.650	.650						
.660	.660						
.670	.670						
.680	.680						
.690	.690						
.700	.700						
.710	.710						
.720	.720						
.730	.730						
.740	.740						
.750	.750						
.760	.760						
.770	.770						
.780	.780						
.790	.790						
.800	.800						
.810	.810						
.820	.820						
.830	.830						
.840	.840						
.850	.850						
.860	.860						
.870	.870						
.880	.880						
.890	.890						
.900	.900						
.910	.910						
.920	.920						
.930	.930						
.940	.940						
.950	.950						
.960	.960						
.970	.970						
.980	.980						
.990	.990						
.000	.000						



(RBL31)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA (2) = -0.110 BETA (8) = 3.340

SECTION : 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3640	.5340	.6730
.7000	.7000	.8870
.0000	.0622	.1773
.0200	.1100	-.0560
.0300	.1500	-.2037
.0400	.1854	-.3516
.0500	.2154	-.5017
.0600	.2404	-.6516
.0700	.2604	-.8016
.0800	.2754	-.9516
.0900	.2854	-1.1016
.1000	.2904	-1.2516
.1100	.2954	-1.4016
.1200	.2954	-1.5516
.1300	.2854	-1.7016
.1400	.2654	-1.8516
.1500	.2354	-2.0016
.1600	.1954	-2.1516
.1700	.1454	-2.3016
.1800	.0854	-2.4516
.1900	.0154	-2.6016
.2000	-.0446	-2.7516
.2100	-.1046	-2.9016
.2200	-.1646	-3.0516
.2300	-.2246	-3.2016
.2400	-.2846	-3.3516
.2500	-.3446	-3.5016
.2600	-.4046	-3.6516
.2700	-.4646	-3.8016
.2800	-.5246	-3.9516
.2900	-.5846	-4.1016
.3000	-.6446	-4.2516
.3100	-.7046	-4.4016
.3200	-.7646	-4.5516
.3300	-.8246	-4.7016
.3400	-.8846	-4.8516
.3500	-.9446	-5.0016
.3600	-.9946	-5.1516
.3700	-1.0546	-5.3016
.3800	-1.1146	-5.4516
.3900	-1.1746	-5.6016
.4000	-1.2346	-5.7516
.4100	-1.2946	-5.9016
.4200	-1.3546	-6.0516
.4300	-1.4146	-6.2016
.4400	-1.4746	-6.3516
.4500	-1.5346	-6.5016
.4600	-1.5946	-6.6516
.4700	-1.6546	-6.8016
.4800	-1.7146	-6.9516
.4900	-1.7746	-7.1016
.5000	-1.8346	-7.2516
.5100	-1.8946	-7.4016
.5200	-1.9546	-7.5516
.5300	-2.0146	-7.7016
.5400	-2.0746	-7.8516
.5500	-2.1346	-8.0016
.5600	-2.1946	-8.1516
.5700	-2.2546	-8.3016
.5800	-2.3146	-8.4516
.5900	-2.3746	-8.6016
.6000	-2.4346	-8.7516
.6100	-2.4946	-8.9016
.6200	-2.5546	-9.0516
.6300	-2.6146	-9.2016
.6400	-2.6746	-9.3516
.6500	-2.7346	-9.5016
.6600	-2.7946	-9.6516
.6700	-2.8546	-9.8016
.6800	-2.9146	-9.9516
.6900	-2.9746	-10.1016
.7000	-3.0346	-10.2516
.7100	-3.0946	-10.4016
.7200	-3.1546	-10.5516
.7300	-3.2146	-10.7016
.7400	-3.2746	-10.8516
.7500	-3.3346	-11.0016
.7600	-3.3946	-11.1516
.7700	-3.4546	-11.3016
.7800	-3.5146	-11.4516
.7900	-3.5746	-11.6016
.8000	-3.6346	-11.7516
.8100	-3.6946	-11.9016
.8200	-3.7546	-12.0516
.8300	-3.8146	-12.2016
.8400	-3.8746	-12.3516
.8500	-3.9346	-12.5016
.8600	-3.9946	-12.6516
.8700	-4.0546	-12.8016
.8800	-4.1146	-12.9516
.8900	-4.1746	-13.1016
.9000	-4.2346	-13.2516
.9100	-4.2946	-13.4016
.9200	-4.3546	-13.5516
.9300	-4.4146	-13.7016
.9400	-4.4746	-13.8516
.9500	-4.5346	-14.0016
.9600	-4.5946	-14.1516
.9700	-4.6546	-14.3016
.9800	-4.7146	-14.4516
.9900	-4.7746	-14.6016
1.0000	-4.8346	-14.7516

(R01L31)

ARC11-716 1A14 OL-112-S12N23-AT10 LOWER WING

ALPHA(2) = -0.090 BETA(9) = 4.950

SECTION (S) LOWER WING	DEFLECT VARIABLE CP			
V/BW	.2990	.3600	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	-.0432	.0303	.1549	.1093 -.0844 -.2347 -.1979
.020				-.9678 -.9523 -.8448 -.8102
.030			-.1991	
.040		.0506		
.048			-.1904	
.050	-.0202			-.5849 -.0613 -.0510 -.0563
.080				-.3734
.085			-.1503	
.086		.0492		
.094	-.0241			-.2406 -.7310 -.9268 -.8053
.150				
.163		.0321		
.177			-.1211	
.220	.0237			
.246		-.0376		
.250				-.1762 -.2438 -.0503 -.0595
.274		-.1069		
.352	.0197			
.390		-.0690		
.400				
.402			-.1029	
.497	-.0437			-.1549 -.2271 -.0139
.550			-.2627	-.3388
.565			-.2170	
.600				
.650				-.4803
.700	-.1580			-.5623
.725			-.4942	
.750				-.7358 -.5466
.760			-.4381	
.775			-.6889	-.6803
.808			-.5292	
.834	-.4785			
.850			-.4472	-.2992 -.2598
.857			-.4274	
.865	-.5044			
.900	-.4272			
.935			-.3572	-.3171 -.2173 -.2176
.950			-.2952	.0000
.953			-.2756	
.965	-.3261			



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TABULATED PRESSURE DATA - IALIA - VOL. 5

PAGE 1019

ARC11-716 IALIA 01-012-S12H25-AT10 LOWER WING

(R01L31)

ALFMA0(2) = -0.000 BETA0 (10) = 6.750

SECTION (1) LOWER WING	DEPENDENT VARIABLE C <sub>p</sub>			
Y/B <sub>W</sub>	.2900	.3600	.4270	.5340 .6730 .7800 .8070
X/CW				
.000	-.0771	.0240	.1005	.0895 -.1313 -.2930 -.2590
.020				-.9526 -.9151 -.8401 -.8291
.030			-.1979	
.040		.0484		
.048			-.1700	
.050	-.0532			-.5706 -.0542 -.0556 -.0362
.080				-.3652
.085			-.1337	
.086		.0427		
.094	-.0405			
.150				-.2284 -.6550 -.9293 -.8447
.153		.0297		
.177			-.1201	
.220	.0043			
.245		-.0553		
.250				-.1703 -.2541 -.7209 -.0719
.274			-.1042	
.352	.0176			
.390		-.0704		
.400				-.1676 -.2593 -.7932
.402		-.1042		
.497	-.0425			
.550			-.2036 -.3754	
.565		-.2391		
.600				-.4999
.650				-.4953
.700	-.1076		-.5400	
.725			-.4746	
.750		-.4417		-.6706 -.5103
.760			-.6412 -.6471	
.773		-.5272		
.800				
.834	-.4016			
.850			-.4237 -.3294 -.2317	
.857		-.4230		
.865	-.5077			
.900	-.4210		-.3087	-.2134
.925			-.3562	-.1462
.950			-.1956	.0000
.955		-.2004		
.965	-.3106			

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TABLETATED PRESSURE DATA - 1A14A - VOL. 5

(R01L31)

ARC11-716 1A14 01-712-312N25-AT10 LOWER WING

ALFMAO( 2 ) = -0.090 DEYAO( 11 ) = 0.573

SECTION 11008 VINC

	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2
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10/11

2000	-1036	.0193	.5550	.0613	-.1690	-.3333	-.3146
2020				-.9149	-.0322	-.0298	
2030			-.1593				
2040	.0461						
2060			-.1339	-.5609	-.0981	-.0339	-.0302
2080	-.0026			-.3672			
2090			-.1213				
2100		.0407					
2120	-.0762			-.2229	-.6120	-.9461	-.0624
2130		.0313					
2140			-.1130				
2160	.0032						
2180		-.0361		-.1024	-.2609	-.7077	-.0906
2190			-.1034				
2200	.0220						
2220		-.0760		-.1034	-.2042		-.0349
2240			-.1096				
2260	-.0363			-.3006	-.3930		
2280			-.2333				-.5101
2300					-.5103		-.3146
2320	-.2803			-.4773		-.6497	-.4339
2340			-.4347	-.6771	-.6000		
2360			-.4047				
2380							
2400	-.4013			-.4131	-.3367	-.2294	
2420			-.4070				
2440	-.4047			-.3143		-.1232	-.2036
2460	-.4066		-.3322	-.2960			.0000
2480							
2500	-.3070		-.2771				
2520							
2540							
2560							
2580							
2600							
2620							
2640							
2660							
2680							
2700							
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2800							
2820							
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2860							
2880							
2900							
2920							
2940							
2960							
2980							
3000							

(RBL31)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IALIA - VOL. 5

ARC11-716 IALIA 51+T12+S12H25+AT10 LOWER WING

ALPHA(3) = -0.199 BETA(1) = -0.149

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	X/CW	CP
.2900	.3640	.4270
.2900	.3640	.5340
.2900	.3640	.6750
.2900	.3640	.7800
.2900	.3640	.8870
.2900	.3640	.9900
.2900	.3640	.1000
.2900	.3640	.1100
.2900	.3640	.1200
.2900	.3640	.1300
.2900	.3640	.1400
.2900	.3640	.1500
.2900	.3640	.1600
.2900	.3640	.1700
.2900	.3640	.1800
.2900	.3640	.1900
.2900	.3640	.2000
.2900	.3640	.2100
.2900	.3640	.2200
.2900	.3640	.2300
.2900	.3640	.2400
.2900	.3640	.2500
.2900	.3640	.2600
.2900	.3640	.2700
.2900	.3640	.2800
.2900	.3640	.2900
.2900	.3640	.3000
.2900	.3640	.3100
.2900	.3640	.3200
.2900	.3640	.3300
.2900	.3640	.3400
.2900	.3640	.3500
.2900	.3640	.3600
.2900	.3640	.3700
.2900	.3640	.3800
.2900	.3640	.3900
.2900	.3640	.4000
.2900	.3640	.4100
.2900	.3640	.4200
.2900	.3640	.4300
.2900	.3640	.4400
.2900	.3640	.4500
.2900	.3640	.4600
.2900	.3640	.4700
.2900	.3640	.4800
.2900	.3640	.4900
.2900	.3640	.5000
.2900	.3640	.5100
.2900	.3640	.5200
.2900	.3640	.5300
.2900	.3640	.5400
.2900	.3640	.5500
.2900	.3640	.5600
.2900	.3640	.5700
.2900	.3640	.5800
.2900	.3640	.5900
.2900	.3640	.6000
.2900	.3640	.6100
.2900	.3640	.6200
.2900	.3640	.6300
.2900	.3640	.6400
.2900	.3640	.6500
.2900	.3640	.6600
.2900	.3640	.6700
.2900	.3640	.6800
.2900	.3640	.6900
.2900	.3640	.7000
.2900	.3640	.7100
.2900	.3640	.7200
.2900	.3640	.7300
.2900	.3640	.7400
.2900	.3640	.7500
.2900	.3640	.7600
.2900	.3640	.7700
.2900	.3640	.7800
.2900	.3640	.7900
.2900	.3640	.8000
.2900	.3640	.8100
.2900	.3640	.8200
.2900	.3640	.8300
.2900	.3640	.8400
.2900	.3640	.8500
.2900	.3640	.8600
.2900	.3640	.8700
.2900	.3640	.8800
.2900	.3640	.8900
.2900	.3640	.9000
.2900	.3640	.9100
.2900	.3640	.9200
.2900	.3640	.9300
.2900	.3640	.9400
.2900	.3640	.9500
.2900	.3640	.9600
.2900	.3640	.9700
.2900	.3640	.9800
.2900	.3640	.9900
.2900	.3640	1.0000

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A144 - VOL. 5

(R01L31)

ARC11-716 1A14 ON-TIE-S12N25+AT10 LOWER WING

ALPHA(1) = -0.110 BETA(2) = -0.400

SECTION (1) LOWER WING DEFLECT VARIABLE CP

Y/OW .2890 .3640 .4270 .5340 .6750 .7000 .8070

Z/CW

.000	.1200	.3732	.4332	.3303	.2917	.2856
.020			-.6889	-.8937	-.7506	-.8094
.030		-.1086				
.040	.1132					
.048		-.1322				
.050	-.0366		-.3172	-.6662	-.6739	-.7603
.080			-.2349			
.085		-.0914				
.086	.1268					
.094	-.0310					
.150			-.1051	-.1499	-.3977	-.5774
.163	.1319					
.177		-.0339				
.229	.0905					
.246		.0907				
.290			.0121	-.0556	-.1537	-.3037
.274		.0327				
.362	.1323					
.390		.0710				
.400			.0975	-.0277		-.1904
.402		.1458				
.497	.0826		-.0294	-.1714		
.550		.0777				
.565					-.3875	-.3340
.600			-.5493			
.650	.2645			-.5192		
.700					-.6649	-.6195
.725			-.4802			
.750			-.7270	-.7212		
.775		-.7838				
.808						
.834	-.3607		-.3901	-.2704	-.3643	
.850		-.3667				
.857						
.865	-.4609		-.2768			-.2364
.900	-.4038		-.2518	-.1861		
.905			-.1983		.0900	
.950						
.953		-.1886				
.965	-.3136					







(R01L31)

ARC11-716 1A14 01+112+512MS+0AT10 LOWER WING

ALPHA(3) = -0.140 BETA(4) = -3.220

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	.2000	.3640	.4270	.5340	.6730	.7000	.8070
1/CW	.000	.0022	.3167	.3322	.2418	.1461	.1095
.020				-.0009	-.9634	-.7400	-.7327
.030			-.1331				
.040		.0900					
.060			-.1395				
.080	-.0445		-.3504	-.0099	-.6913	-.6939	
.100			-.3071				
.120		.1030	-.1269				
.140	-.0366						
.160		.1111	-.1600	-.1651	-.5372	-.6306	
.180			-.0810				
.200	.3727	-.0318		-.0450	-.0090	-.2565	-.4632
.220			-.0202				
.240							
.260	.1500						
.280		.0255					
.300				.0556	-.0600		-.2022
.320			.0906				
.340	.0447			-.0612	-.2011		
.360			.0305				
.380							-.3710
.400				-.5550			
.420	.1041			-.5653		-.6090	-.6565
.440			-.4044				
.460			-.7525	-.7720	-.7234		
.480							
.500	-.3620			-.3030	-.2931	-.3430	
.520			-.4026				
.540							
.560	-.4350						
.580	-.3745		-.2012	-.2098		-.2563	
.600			-.2740				
.620				.2125		.0000	
.640			-.2135				
.660	-.3900						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 5

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ARC11-716 IAI4 01+112+512N25+AT10 LOWER WING

(R81L31)

ALPHA( 3 ) = -6.070 BETA( 5 ) = -1.620

SECTION ( 1 ) LOWER WING	DEPENDENT	TABLE CP
Y/BW	.2990 .3640 .4270 .5340 .6750 .7800 .8870	
X/CW		
.000	.0349 .0832 .2913 .3117 .1899 .0958 .1460	
.020		-.6273 -.9992 -.7563 -.6661
.040	-.1337	
.060	.0992	
.080	-.1632	
.100	-.0376	-.3799 -.9246 -.7216 -.6440
.120		-.3298
.140	.0993	
.160	-.0510	
.180	.1061	-.1876 -.1856 -.6490 -.6087
.200	-.0932	
.220	.0601	
.240	-.0396	
.260		-.0713 -.1183 -.2979 -.5549
.280	-.0391	
.300	.0978	
.320	.0041	
.340	.0633	.0216 -.0860 -.3942
.360	.0261	
.380		-.0881 -.2207
.400	-.0006	
.420		-.4337
.440		-.5658
.460	.1193	-.5746
.480		-.7211 -.6541
.500		-.4554
.520		-.7925 -.7010
.540	-.6591	
.560		-.3565 -.2901 -.2934
.580	-.3754	
.600		-.2443
.620	-.3778	-.2402
.640	-.3146	
.660		-.2747 -.2075
.680		-.1721 .0000
.700		-.2302
.720		
.740		
.760		
.780		
.800		
.820		
.840		
.860		
.880		
.900		
.920		
.940		
.960		
.980		
.995		



(R81L31)

ARC11-716 1A14 01+712+512N25+AT10 LOWER WING

ALPHA(3) = -6.030 BETA(7) = 1.640

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7890	.8870
X/CW							
.000	.0105	.0820	.2592	.2436	.1085	-.0947	.0493
.020				-.7793	-1.0360	-.8189	-.6901
.030				-.0947			
.040		.1099					
.048							
.050	-.0117			-.3773	-.9318	-.7933	-.6730
.080				-.3227			
.085				-.1220			
.086		.1013					
.094	-.0136						
.150				-.2183	-.2187	-.7719	-.6747
.163		.0923					
.177		-.0990					
.229	.0559						
.246		-.0311					
.274		-.0715		-.1216	-.1687	-.2326	-.6715
.362	.0683						
.390		-.0269					
.400				-.0906	-.1318		-.5090
.402		-.0259					
.497	-.0019						
.550				-.1446	-.2483		-.3790
.565		-.1125					
.600				-.5553	-.5803	-.4857	
.650							
.700	-.0571						
.725							
.750		-.4184					
.760				-.7619	-.7140		
.775		-.5591					
.808							
.834	-.3585			-.4274	-.3133	-.2885	
.850							
.857		-.4359					
.865	-.3995						
.900	-.3445			-.2694			-.1935
.905		-.3341		-.2462			
.950				-.1831		.0000	
.953		-.2195					
.965	-.2758						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L31)

ARC11-716 1A14 01-112+512N25+AT10 LOWER WING

ALPHA(3) = -6.100 BE1A0 (8) = 3.330

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW

.2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0113 .0759 .2397 .2126 .0575 -.0568 -.0004

.020 .030 .040 .0956 -.0805

.048 .030 -.0166 -.1166 -.3704 -.9189 -.7962 -.6983

.080 .085 .086 .0909 -.3947

.094 -.0160 .0760

.150 .163 .177 -.0797

.229 .0447 -.0203

.246 .250 .274 -.0653

.362 .390 .402 -.0310

.497 -.0078 -.0538

.550 .563 .600 -.1946 -.2789

.650 .700 .725 -.1115

.750 .760 .775 -.4148

.808 .834 -.4239

.850 .857 .865 -.4019

.900 .905 .913 -.2993

.950 .955 .965 -.3249

.980 .983 .985 -.1919

.990 .993 .995 -.2423

.998 .999 .999 -.4815

.999 .999 .999 -.5023

.999 .999 .999 -.6266

.999 .999 .999 -.6483

.999 .999 .999 -.7037

.999 .999 .999 -.7962

.999 .999 .999 -.8870

.999 .999 .999 -.9189

.999 .999 .999 -.9568

.999 .999 .999 -.9904

.999 .999 .999 -.9983

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

.999 .999 .999 -.9999

DATE 11 JAN 75

TABULATED PRESSURE DATA - IA144 - VOL. 5

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ARC11-716 IA14 01+112+512/25+AT10 LOWER WING

(R81L31)

ALPMAD(3) = -6.160 BETA0 (9) = 5.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0490	.0518	.1895	.2052	.0308	-.0973	-.0498
.020				-.7443	-.9316	-.8190	-.7439
.030			-.1018				
.040		.0704					
.048			-.1548				
.050	-.0363			-.3647	-.8958	-.8170	-.7409
.060				-.2943			
.085			-.0851				
.086		.0669					
.094	-.0241						
.150				-.1888	-.2284	-.8248	-.7446
.163		.0561					
.177			-.0741				
.229	.0307						
.246		-.0256					
.250				-.1316	-.2216	-.2303	-.7546
.274			-.0659				
.362	.0402						
.390		-.0393					
.400				-.1247	-.2046		-.5010
.402			-.0694				
.497	-.0147			-.2423	-.3192		
.550			-.1940				
.565							-.4113
.600					-.4998		
.650							
.700	-.1344			-.5647			
.725				-.4722			
.750					-.6212	-.6606	
.760			-.4197				
.775			-.4984	-.6573	-.6800		
.808							
.834	-.4807						
.850			-.4075	-.4346	-.3007	-.2726	
.857							
.865	-.4812						
.900	-.4037			-.3087			-.1751
.905			-.3288	-.1845			
.950				-.1866			.0000
.953			-.2456				
.965	-.2993						

(R01L31)

ARC11-716 1A14 01+112+312N25+AT10 LOWER WING

ALPHA(3) = -8.140 BETA(10) = 6.740

SECTION (1) LOWER WING	DEPENDENT VARIABLE CF			
Y/CW				
.000	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.020	-.1008	.0370	.1135	.1856 -.0061 -.1525 -.1031
.030			-.7038	-.9667 -.8095 -.7663
.040		.0601	-.0855	
.048			-.0833	
.050	-.0629		-.3502	-.8821 -.8127 -.7690
.060			-.2694	
.085			-.0738	
.096		.0516		
.094	-.0342			
.150		.0489	-.1748	-.2176 -.8388 -.7717
.163			-.0748	
.177				
.229	.0392	-.0297		
.245				
.250			-.1314	-.2283 -.2506 -.7810
.274			-.0686	
.362	.0333			
.390		-.0439		
.400			-.1391	-.2350 -.5396
.402			-.0776	
.497	-.0298			
.550			-.2645	-.3565
.565			-.2152	
.600				-.4142
.650				-.4991
.700	-.1726		-.4743	-.5350
.725				-.6774 -.6363
.750			-.4361	
.760			-.6230	-.6515
.775			-.5095	
.808				
.834	-.4891		-.4139	-.4196 -.3652 -.2473
.850				
.157				
.865	-.5091			
.900	-.4144		-.3034	-.1508
.905			-.3525	-.1339 .0050
.950			-.1911	
.955			-.2744	
.965	-.3047			





(RBIL31)

ARC11-716 1A14 OL+112+512H25+AT10 LOWER WING

ALPHA (3) = -0.140 BETA (11) = 0.900

SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>D</sub>Y/B<sub>W</sub> .2990 .3640 .4270 .5340 .5730 .7800 .8070X/C<sub>M</sub>

.000	-.1515	.0263	.0634	.1340	-.2411	-.1965	-.1555
.020				-.0758	-.9506	-.0100	-.7736
.030				-.0720			
.040				.0493			
.048				-.0751			
.050	-.1010			-.3296	-.0595	-.0155	-.7813
.060				-.2519			
.085				-.0743			
.086				.0500			
.094	-.0856						
.150				.0473			
.163					-.1661	-.2331	-.0259
.177				-.0701			-.7976
.229	.0090						
.245				-.0311			
.250					-.1341	-.2350	-.2717
.274				-.0736			-.7999
.362	.0347						
.390				-.0507			
.400					-.1525	-.2555	-.5120
.402				-.0875			
.497	-.0391				-.2772	-.3747	
.550				-.2353			
.565							-.4350
.600					-.5005		
.630							
.700	-.2011			-.4541			
.725					-.4937		
.750							-.6402
.760				-.4304			-.6170
.775				-.4816			
.808					-.5015	-.5931	
.834	-.4760						
.850				-.4135			
.857					-.4006	-.3670	-.2359
.865	-.4895						
.900	-.4011				-.3074		-.1253
.905				-.3613		-.1255	
.950				-.1695			.0000
.953				-.2777			
.965	-.3085						

(R81L31)

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

ALPHA(4) = -4.170    PETAO (1) = -9.900

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP		
Y/BW	.2900	.3640	.4270
X/CW	.5340	.6750	.7000
	.8070		
.000	.1917	.4713	.5774
.020		.5293	.4704
.030		-.2990	-.5285
.040	.1913	.0903	-.6240
.048			-.7089
.050		.0106	
.060	-.0007	-.1595	-.2361
.070		-.1076	-.3531
.085			-.6284
.086	.1965	.0254	
.094	-.0228		
.150		.0116	-.0094
.163	.2091		-.0986
.177		.0616	-.1518
.223	.1279		
.245	.0901		
.250		.0926	.0251
.274		.1150	-.0418
.362	.1887		-.1510
.390	.1471		
.400		.1924	.0224
.402		.2050	-.1716
.497	.1523		
.550		.0059	-.1171
.565		.1170	
.600			-.3487
.650	.3192		-.3797
.700		-.5346	-.5050
.725			-.6469
.750		-.4920	-.6076
.760			
.775		-.6988	-.6985
.808		-.7975	
.834	-.3918		
.850		-.3814	-.2538
.857		-.3360	-.2809
.865	-.5165		
.900	-.4386		
.925		-.2272	-.1734
.950		-.2211	-.1487
.955		-.1487	.0000
.965	-.3542	-.1439	





ARC11-716 1A14 CLOT12+S12N25+AT10 LOWER WING

(R91L31)

ALPHA(DI 4) = -4.210 BETA(DI 3) = -5.970

SECTION 1 (LOWER WING) DEPENDENT VARIABLE C<sub>D</sub>

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/ZW							
.000	.0628	.1513	.4129	.4987	.4294	.3569	.3839
.020				-.3999	-.6946	-.7014	-.8403
.030			.0197				
.040		.1559					
.048			-.0369				
.050	-.0174			-.2090	-.2988	-.4659	-.6856
.060				-.1659			
.085			-.0201				
.090		.1648					
.094	-.0368						
.150				-.0324	-.0580	-.1507	-.2074
.163		.1833					
.177			.0155				
.229	.1013						
.246		.0434		.0539	-.0149	-.0790	-.1919
.250			.0751				
.274							
.362	.1553						
.370		.1042					
.400				.1199	-.0063		-.2006
.402			.1692				
.497	.1144						
.550				-.0198	-.1635		
.565			.0857				
.600							
.650						-.4039	-.3865
.700	.2725			-.5455	-.5295		
.725							
.750						-.6922	-.6504
.760			-.4781				
.775				-.7590	-.6916		
.808							
.834	-.3651						
.850				-.4009	-.2601	-.2789	
.857			-.3493				
.865	-.4459						
.900	-.3870						
.905			-.2371	-.2423			-.1897
.950				-.1725			
.953			-.1736				.0000
.965			-.1711				
.965	-.2937						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 3

ARC11-716 IAL14 01+712+512+23+AT10 LOWER WING (R01L31)

ALPHA(1) 4) = -4.190 BETA(1) 4) = -3.990

SECTION (1) LOWER WING	DEPENDENT VARIABLE C <sub>p</sub>				
X/CW	.2990	.3640	.4270	.5340	.6730
.000	.0310	.1331	.3854	.4597	.3733
.025				.2982	.3247
.030				-.4588	-.7612
.035			.0002	-.7433	-.0270
.040		.1449			
.045			-.0595		
.050	-.0294		-.2366	-.3294	-.5393
.060			-.1991		
.085			-.0416		
.086		.1496			
.094	-.0429			-.0694	-.0926
.150		.1684		-.1790	-.2563
.163			-.0084		
.177					
.229	.0929	.0227			
.246				.0211	-.0394
.250		.0431		-.1006	-.2108
.274					
.362	.1447	.0017			
.390				.0933	-.0275
.400		.1419			-.2226
.402					
.497	.0921			-.0307	-.1804
.550		.0649			
.565					-.4102
.600				-.4229	
.650	.2327		-.5464		
.700		-.5621			
.725				-.7196	.659
.750		-.4736			
.760			-.7445	-.6887	
.775		-.7448			
.808					
.834	-.3550			-.3890	-.2614
.850		-.3652		-.2866	
.857					
.865	-.4360				
.900	-.3744		-.2413		-.1951
.925		-.2528	-.2023		
.950		-.1758	.0000		
.955		-.1992			
.965	-.8011				

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L31)

ARC11-716 1A14 ON-TIE-312N25-AT10 LOWER WING

ALPHA(4) = -4.180 BETA(5) = -1.902

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP
Y/BW	.2990 .3640 .4270 .5340 .6730 .7800 .8870
X/CW	.0403 .1178 .3564 .4093 .3199 .2378 .2728
.020	.0306 -.0334 -.7675 -.0304
.030	-.0147
.040	.1364
.048	-.0772
.050	-.2678 -.4008 -.6181 -.7045
.060	-.2295
.085	-.0633
.086	.1374
.094	-.0410
.150	-.1022 -.1150 -.2036 -.3373
.165	.1905
.177	-.0357
.229	.0821
.246	.0029
.250	-.0048 -.0611 -.1214 -.2126
.274	.0118
.362	.1284
.390	.0318
.400	.0701 -.0421 -.2317
.402	.1030
.497	.0688
.510	-.0570 -.1918
.565	.0271
.600	-.4189
.650	-.5494
.700	-.5607
.725	-.7223 -.6964
.750	-.4585
.760	-.7668 -.7102
.774	-.6851
.808	-.3641 -.2771 -.2936
.834	-.3345
.850	-.3727
.857	-.2559
.865	-.2606
.900	-.2074
.905	-.2005
.910	-.2064
.915	-.2777
.965	-.2186

















(RB1L31)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA(°) = -2.87C BETA(°) = -9.990

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW	.4270	.5340	.6730	.7800
.000	.0976	.4927	.6170	.9836	.5338
.020					
.030		.1452			
.040		.0760			
.048	.0165				
.050					
.060					
.085		.0774			
.086					
.094					
.130					
.163					
.177					
.229	.1418				
.246					
.250					
.274					
.362	.2092				
.390					
.400					
.402					
.497	.1760				
.550					
.565					
.600					
.650					
.700	.3268				
.725					
.750					
.760					
.775					
.808					
.834					
.850					
.857					
.865					
.900					
.905					
.950					
.953					
.965					

DATE 1\* JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 ARC11-716 1A14 01\*112\*512N25\*AT10 LOWER WING (881L31)

SECTION ( 1) LOWER WING	ALPHA( 3) = -2.890	BETA( 2) = -7.990	DEPENDENT VARIABLE CP
X/CW			
.000	.2890	.3640	.4270 .5340 .6730 .7800 .8870
.020	.0785	.1116	.4694 .5875 .5394 .4913 .4933
.030			-.1962 -.3305 -.4150 -.5525
.040		.2032	.1266
.050	.0024		.0523
.060			-.1095 -.1687 -.2859 -.4009
.085			-.0630
.086		.2076	.0543
.094	-.0113		
.150		.2269	.0334 .0226 -.0640 -.1253
.153			.0731
.177	.1304		
.229		.0914	
.246			.1029 .0376 -.0240 -.1395
.250		.1234	
.274	.1997		
.352		.1527	
.390			.1535 .0246 -.1170
.400		.2024	
.402	.1576		.0904 -.1432
.497		.1073	
.550			-.5829
.565			-.3654
.600			
.650	.3077		-.5142
.720			-.5397
.725			-.6628 -.6613
.750		-.4832	
.760		-.7075 -.7032	
.775		-.7603	
.808			
.834	-.5691		-.3762 -.2451 -.2772
.850		-.3375	
.857			
.865	-.4723		
.900	-.4249		-.2245
.905			-.2223
.925			-.1514
.950			-.1524
.955			-.1507
.965	-.5242		



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL131)

ARC11-716 1A14 01+112+512M25+ATT10 LOWER WING

ALPHA ( 5 ) = -2.070 BETA ( 3 ) = -5.970

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/C

.000	.1609	.4404	.5463	.4960	.4373	.4493
.020			-.2503	-.4160	-.4772	-.6113
.030		.1040				
.040		.1884				
.060		.3300				
.080	-.0076		-.1379	-.2048	-.3079	-.4356
.085			-.0956			
.086		.0295				
.094		.1931				
.100	-.0226					
.150		.2592	.0050	-.0086	-.0900	-.1471
.160						
.177		.0518				
.229	.1147					
.246		.0711	.0798	.0161	-.0498	-.1639
.250						
.274		.1006				
.362	.1000					
.390		.1346				
.400			.1321	.0062		-.1949
.402						
.497	.1373		-.0176	-.1620		
.550		.0926				
.600						-.3080
.650				-.4056		
.700	.2004		-.5512	-.5322		
.725					-.6864	-.6889
.750						
.760		-.4023				
.775			-.7131	-.6819		
.800		-.7407				
.850						
.857	-.3516		-.3929	-.2519	-.2032	
.865						
.900	-.4377					-.1061
.900	-.3845					
.925			-.2188			
.925		-.2306		-.1692		.0000
.950			-.1605			
.955		-.1626				
.965	-.2902					

(R01L31)

TRAIN AVEC ENFESSURE DATA - 1A14A - VOL. 5

REC-716 1A14 01+712+512N23+AT10 LOWER WING

DATE 11 JAN 73

$$\text{O} \text{E} \text{Y} \text{A} \text{O} (4) = -3.963$$

DEPENDENT VARIABLE CP

Y/04	20990	36600	42700	53400	67300	78000	88700
X/CW							
.000	.0425	.1432	.4058	.5033	.4403	.3777	.3972
.020				-.2985	-.4989	-.5275	-.6742
.030			.0727				
.040		.1745					
.060			.0025				
.080	-.0163			-.1671	-.2355	-.3260	-.5072
.095			.0075	-.1255			
.096		.1742					
.094	-.0353			-.0213	-.0301	-.1123	-.1748
.150		.1930					
.163			.0263				
.177							
.229	.0991	.0515		.0553	-.0020	-.0643	-.1817
.246							
.250			.0732				
.274							
.362	.1633						
.370		.1032		.1138	-.0069		-.2060
.400			.1557				
.497	.1162			-.0278	-.1719		
.550			.0663				-.4037
.565							
.600				-.3538	-.5420		
.650	.2320					-.6976	-.7036
.700							
.725							
.750							
.760			-.4883				
.775			-.7192	-.7301	-.6607		
.809							
.834	-.3510			-.3814	-.2509	-.2895	
.850			-.3344				
.897							
.965	-.4127			-.2431			-.1872
.990	-.3593						
.995			-.2533	-.1949			.0000
.999				-.1884			
.993			-.1730				
.965	-.2881						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 14104 - VOL. 3

PAGE 007

19811311

ARCTIC-716 TAIL ON+112+SIGN+RATIO UNDER WING

ALPHA(5) = -2.940 BETA(5) = -1.090

SECTION 1 (BULKY WING)

DEPENDENT VARIABLE CP

Y/Z	-2.990	-3.640	-4.270	-5.340	-6.750	-7.800	-8.870
4/CW							
.000	.0335	.1249	.3603	.4398	.3903	.3219	.3437
.020				.3602	-.5703	-.5929	-.7215
.030			.0598				
.040		.1616					
.048			-.0157				
.050	-.0196			-.2120	-.2735	-.3667	-.5529
.060				-.1769			
.085			-.0147				
.086		.1628					
.094	-.0315						
.150					-.0709	-.0656	-.1396
.163		.1604					
.177			.0011				
.229	.0920						
.246		.0310					
.250							
.274			.0439	.0377	-.0298	-.0888	-.2168
.382	.1474						
.390		.0780					
.420							
.422		.1139	.0705	-.0301			-.2252
.490	.0900						
.550				-.0576	-.1920		
.600		.0328					
.650							
.652	.1642					-.4362	-.4252
.720				-.5929	-.5585		
.725							
.750							
.790			-.4706			-.7137	-.7227
.800					-.7789	-.5154	
.814		-.5534					
.840							
.845				-.3055	-.2562	-.2894	
.855			-.3367				
.870							
.875							
.890			-.2447	-.2337			-.1956
.895					-.2214		
.900				-.1898			
.905			-.1898				
.905							



ARC11-716 IAL14 01-12+512N25+AT10 LOWER WING (R01L31)

ALPHA (°) = -2.840 BETAS (°) = 2.040

SECTION - LOWER WING	DEPENDENT VARIABLE CP			
Y/Z	.2990	.3640	.4270	.5340 .6750 .7800 .8870
Y/CW				
.000	-.0161	.0846	.3203	.3659 .2863 .2045 .2344
.020				-.3255 -.6557 -.6765 -.7796
.030			.0803	
.040		.1272		
.046			.0951	
.050	-.0183		-.1930	-.3288 -.5019 -.6354
.060				-.1667
.085			-.0110	
.086		.1342		
.094	-.0141			
.150		.1376		-.0908 -.1194 -.1953 -.2717
.163				
.177			-.0127	
.220	.0378			
.246		.0271		
.250				-.0413 -.0942 -.1413 -.2341
.274		.0907		
.362	.1007	.0266		
.390				-.0974 -.0075 -.2596
.400			.0116	
.402				
.497	.0472			
.530			-.1261	-.2300
.565			-.0069	
.600				-.4583
.650				-.4699
.700	-.0307			-.5823
.725			-.5131	
.750				-.6711 -.7155
.760			-.4001	
.775			-.6720	-.6849
.800			-.4891	
.850	-.3478			
.854			-.4146	-.2761 -.2349
.850			-.3991	
.857				
.865	-.3897			
.900	-.3264		-.2412	-.1852
.925			-.3967	-.2204
.950			-.1491	.0000
.955			-.2136	
.965	-.2926			

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(801L31)

ARC11-716 IAI4 01-712+512825+AT10 LOWER WING

ALPHA (S) = -2.860 BETA (S) = 4.950

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0620	.0617	.2343	.3642	.2449	.1569	.1810
.020				-.3098	-.6455	-.7016	-.7967
.030			.0624				
.040		.0916					
.048			.0163				
.050	-.0264			-.1020	-.3236	-.5155	-.6747
.060				-.1565			
.065			.0041				
.086		.1022					
.094	-.0174						
.150				-.0894	-.1343	-.2221	-.3086
.163		.1069					
.177			-.0040				
.229	.0497						
.246		.0356					
.250				-.0574	-.1240	-.1724	-.2569
.274			-.0040				
.362	.0788						
.390		.0172					
.400				-.0616	-.1320		-.2065
.402		-.0174					
.497	.0271						
.550				-.1935	-.2710		
.565		-.1475					
.600						-.4817	
.650					-.4913		
.700	-.0910			-.4587	-.5729		
.725						-.6523	-.7208
.750		-.4109					
.760				-.6137	-.6917		
.775		-.4721					
.800							
.834	-.4208			-.4087	-.2783	-.2308	
.850							
.857		-.3907					
.865	-.4510						
.900	-.3712			-.2030			-.1835
.905		-.3150			-.1647		
.950			-.1748			.0000	
.953		-.2262					
.965	-.2684						



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 3  
 ARCS 11-716 TAIL 01+112+512+23+AT10 LOWER WING (AB1-31)

ALPHA = 5.0 -2.070 BETA = 0.0 - 6.060

SECTION	INFLUENCING	DEPENDENT VARIABLE CP
Y/B		
.000	.0114	.0070
.020	.0109	.0070
.040	.0082	.0070
.060	.0067	.0070
.080	.0053	.0070
.100	.0040	.0070
.120	.0029	.0070
.140	.0022	.0070
.160	.0018	.0070
.180	.0014	.0070
.200	.0010	.0070
.220	.0007	.0070
.240	.0004	.0070
.260	.0003	.0070
.280	.0002	.0070
.300	.0001	.0070
.320	.0000	.0070
.340	.0000	.0070
.360	.0000	.0070
.380	.0000	.0070
.400	.0000	.0070
.420	.0000	.0070
.440	.0000	.0070
.460	.0000	.0070
.480	.0000	.0070
.500	.0000	.0070
.520	.0000	.0070
.540	.0000	.0070
.560	.0000	.0070
.580	.0000	.0070
.600	.0000	.0070
.620	.0000	.0070
.640	.0000	.0070
.660	.0000	.0070
.680	.0000	.0070
.700	.0000	.0070
.720	.0000	.0070
.740	.0000	.0070
.760	.0000	.0070
.780	.0000	.0070
.800	.0000	.0070
.820	.0000	.0070
.840	.0000	.0070
.860	.0000	.0070
.880	.0000	.0070
.900	.0000	.0070
.920	.0000	.0070
.940	.0000	.0070
.960	.0000	.0070
.980	.0000	.0070
.000	.0000	.0070



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5

(R01L31)

ARC11-716 IAI14 01+T12+S12N23+AT10 LOWER WING

ALPHA( 5 ) = -2.830 BETA( 11 ) = 10.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

V/W	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2302	.5182	.0941	.1474	.1593	.0099	.0106	
.020				-.1597	-.6101	-.7683	-.8432	
.040			.0324					
.060				.0106				
.080	-.1363			-.0870	-.3125	-.4994	-.7908	
.100				-.0718				
.120			.0357	.0023				
.140	-.1002							
.160			.0871	-.0633	-.1389	-.2640	-.3681	
.180				-.0081				
.200	.0006							
.220			.0065	-.0715	-.1817	-.2341	-.3466	
.240				-.0244				
.260	.0196							
.280			-.0076					
.300				-.0940	-.1194	-.2144	-.3265	
.320								
.340				-.2088	-.2555	-.3337		
.360							-.4903	
.380	-.1783				-.4576	-.4553		
.400				-.4269				
.420						-.6131	-.6074	
.440				-.4202	-.5323	-.4933		
.460				-.4675				
.480								
.500	-.4722				-.4187	-.3582	-.2757	
.520				-.4008				
.540								
.560	-.4821				-.3294		-.1069	
.580	-.3898			-.3517	-.1285			
.600				-.2206		.0000		
.620				-.2750				
.640	-.2978							

(R81L31)

ARC11-716 1A14 01+12+312H25+AT10 LOWER WING

ALPHA( 6 ) = -.090 BETA( 1 ) = -19.099

## SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7890	.8870
X/CW							
.000	.0906	.2369	.5123	.6696	.6410	.5966	.5939
.020				.0372	.0170	-.0333	-.1327
.030			.2561				
.040		.2692					
.048			.1661				
.050	.0336			.0511	.0195	-.0490	-.1136
.060				.0622			
.085			.1479				
.086		.2672					
.094	.0201						
.130		.2913		.1243	.1263	.0446	-.0343
.163			.1511				
.177							
.229	.1670						
.246		.1613					
.250			.1870	.1704	.1061	.0458	-.0750
.274							
.362	.2484	.2103		.1977	.0649		-.1225
.390							
.400							
.402			.2474				
.497	.2156			.0282	-.1152		
.550			.1345				
.565							
.600							
.650							
.700	.3460						
.725							
.750							
.760							
.775							
.808							
.834	-.3857						
.850							
.857							
.865	-.3031						
.920	-.4566						
.925							
.950							
.955							
.965	-.3350						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L31)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA( 6 ) = -.680 BETA( 2 ) = -7.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2900	.3640	.4270
.3640	.5340	.6730
.7030	.7030	.8070
.0674	.1843	.4872
.6388	.6970	.5620
.5614	.0942	-.0259
-.0801	.2364	-.1762
.0420	.2463	
.1424		
.0219	-.0116	-.0821
-.1453	.0402	
.1293		
.2520		
.0032		
.1074	.1037	.0210
-.0960	.2772	
.1330		
.1475		
.1491	.0871	.0276
-.0913	.1710	
.2324	.1939	
.1799	.0496	-.1440
.2337		
.0149	-.1282	
.1238		
-.3560		
-.3744		
-.3100		
-.5342		
-.6385	-.6426	
-.4876		
-.7162	-.6839	
-.7222		
-.3278	-.2162	-.2364
-.3735		
-.1069	-.1499	-.1831
-.2090	-.1191	.0000
-.1862		
-.3809		

(R81L31)

ARC11-716 1A14 04+712+512+25+AT10 LOWER WING

ALPHA( 6 ) = -.079 BETA( 3 ) = -5.980

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP				
V/W	.2995	.3645	.4275	.5345	.6735
X/CW					
.000	.0522	.1622	.4605	.6037	.5653
.025				-.0375	-.5817
.050		.2099			-.1154
.075		.2255			-.2134
.100			.1225		
.125	.0116		-.0037	-.0433	-.1067
.150			.0079		-.1795
.175		.1056			
.200		.2325			
.225	-.0246			.0776	.0615
.250		.2583			.0242
.275		.1093			-.0622
.300	.1344				
.325		.1248		.1276	.0691
.350	.2145	.1471			-.1132
.375		.1727			
.400			.1609	.0297	-.1645
.425	.1744	.2097			
.450			-.0016	-.1484	
.475		.1029			
.500					-.3745
.525	.2941			-.3927	
.550			-.5441	-.3283	
.575					-.6759
.600					-.6652
.625		-.4810			
.650			-.7215	-.6644	
.675		-.6677			
.700			-.3107	-.2273	-.2923
.725	-.3909				
.750		-.3458			
.775					-.1650
.800		-.4102			
.825	-.3694		-.1824		
.850		-.2181	-.1727		.0000
.875			-.1275		
.900		-.1419			
.925					
.950					
.975					
.995					



ALPHA( 6 ) = -.003      BETA( 4 ) = -3.973

SECTION 101.07 (1) MOBILES

DEPENDENT VARIABLE CP

Y/YW	Y/CW	.2990	.3640	.4279	.5340	.6750	.7890	.8870
.900	.0339	.1479	.4393	.5731	.5297	.4800	.4006	
.920	.030		.1893	-.0616	-.1223	-.1616	-.2521	
.940	.048	.2090	.1022					
.960	.050	-.0022		-.0272	-.0789	-.1336	-.2004	
.980	.065		.0039	-.0165				
.986	.086	.2174						
.994	.094	-.0009						
.999	.190	.2430		.0907	.0567	-.0199	-.0942	
.163	.177		.0069					
.229	.246	.1247	.1016					
.266	.270			.1036	.0913	-.0105	-.1306	
.274	.302	.1999	.1690	.1229				
.390	.402			.1044	.1416	.0820	-.1000	
.497	.550	.1548			-.0141	-.1590		
.565	.600			.0042				
.690	.789	.2636			-.5371	-.4039	-.3922	
.790	.760		-.4664		-.5447	-.6784	-.6019	
.775	.806		-.6012		-.7139	-.6362		
.834	.890	-.3448		-.3265	-.3690	-.2320	-.2556	
.837	.865	-.3923						
.900	.905	-.3439	-.2243	-.2039	-.2036		-.1765	
.920	.933		-.1432			.0000		
.965		-.2767	-.1003					

ORIGINAL PAGE IS  
OF POOR QUALITY

(157104)

ALPHA( 5) = -.000 BETA( 5) = -1.980

ARC11-716 1A14 01-712-512N25-AT10 LOWER HING

SECTION (1) LOWER WING

V/W	Z/CW	.8990	.3640	.4270	.5340	.8730	.7800	.8870
.000	.0034	.3996	.5261	.4768	.4272	.4360		
.020	.030	.1822	-.1911	-.1766	-.2223	-.3200		
.040	.1932	.0661	-.0385	-.1212	-.1730	-.2421		
.060	.0056	.0600	-.0455					
.080	.2926							
.100	-.0205	.2278	.0185	.0234	-.0992	-.1207		
.120	.1055	.0620						
.140	.0820	.0910	.0491	.0187	-.0388	-.1589		
.160	.1733	.1171	.1046	-.0907		-.2045		
.180	.1250	.0441	-.0425	-.1801		-.4175		
.200	.1854		-.5573	-.5567	-.4294			
.220		-.4640	-.7290	-.6603	-.6696	-.7135		
.240	.3245	-.6267						
.260	-.3673	-.3545	-.3321	-.2637	-.2459			
.280	.3230	-.2361	-.2025	-.2119		-.1835		
.300	.955	-.1754	-.1590	.0000				
.320	-.2751							

DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI14A - VOL. 5

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ARC11-716 IAI14 Q1+712+512+23+AT19 LOWER WING

(RB1L31)

ALPHA( 6 ) = -.600 BETA( 6 ) = .510

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.0272	.0036	.3647	.4818	.4261	.3750	.3085
.020				-.1389	-.2403	-.2830	-.3005
.030			.1792				
.040		.1637					
.048			.0763				
.050	-.0135			-.0640	-.1613	-.2148	-.2897
.080				-.0778			
.085			.0445				
.086		.1821					
.094	-.0136						
.150		.2060		-.0218	-.0108	-.0842	-.1488
.163							
.177			.0331				
.229	.0915						
.246		.0612					
.290				.0272	-.0182	-.0636	-.1852
.274		.0514					
.362	.1430						
.390		.0742					
.400			.0896	.0609	-.0356		-.2234
.402							
.497	.0806						
.595				-.0758	-.1909		
.565			-.0105				
.600							-.4351
.610					-.4458		
.700	.0761						
.725				-.3356			
.730					-.5635		
.760			-.4334			-.0783	-.7230
.775				-.6884	-.6706		
.800			-.6068				
.834	-.3621						
.850				-.4353	-.2577	-.2497	
.857			-.4851				
.864	-.4106						
.900	-.3606						-.2026
.905			-.2142		-.2282		
.930			-.2958		-.1425	.0900	
.933							
.945	-.2898		-.1754				

ORIGINAL PAGE IS  
OF POOR QUALITY

(R01131)

ARC11-716 1A14 OR-T12+S12+5+AT10 LOWER WING

ALPHAO (6) = -.078 BETA0 (7) = 2.599

SECTION 1 SLOWER WING DEPENDENT VARIABLE CF

Y/W	.0000	.3640	.4270	.5340	.6730	.7820	.8870
1/CM							
.000	-.0716	.0403	.3166	.4476	.3766	.3101	.3354
.020				-.1206	-.2666	-.3285	-.4359
.030			.1650				
.040		.1293					
.060			.0603				
.080	-.0245			-.0754	-.1065	-.2439	-.3236
.090			.0560	-.0789			
.095							
.096		.1511					
.094	-.0129						
.150				-.0314	-.0364	-.1100	-.1759
.163		.1698					
.177			.0356				
.229	.0760						
.246		.0684					
.290				-.0721	-.0906	-.0939	-.2110
.274		.0407					
.362	.1191						
.390		.0603					
.400			.0110	-.0751			-.2512
.402		.0407					
.497	.0790						
.550			-.1227	-.2296			
.563		-.0639					
.620							-.4594
.650				-.4679			
.700	-.0129			-.5668			
.723			-.4996				
.790		-.3921					
.795			-.6353	-.6930			
.775		-.4709					
.806							
.834	-.3479						
.890			-.4023	-.4179	-.2622	-.2713	
.897							
.855	-.3748						
.900	-.3843		-.2437				-.1719
.903		-.3076		-.1809			
.990			-.1481				.0000
.933		-.2910					
.963	-.2937						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512+25+ATED LOWER WING (R01L31)

ALPHA(0) = -.600 BETA(0) = 4.930

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
X/CW	Y/CW	CP	CM	CM
.000	-.1013	.0331	.2215	.4297
.025			.4297	.3397
.050			-.1561	-.2714
.075			.1391	
.100		.0028		
.125			.0094	
.150	-.0412		-.0684	-.1841
.175			-.0653	
.200			.0672	
.225		.1177		
.250	-.0155			
.275		.1339	-.0226	-.0556
.300			-.1304	-.2004
.325	.0611			
.350		.0665	-.0133	-.0762
.375			-.1101	-.2289
.400		.0339		
.425	.1051			
.450		.0490		
.475			-.0355	-.1067
.500			-.2676	
.525	.0643			
.550			-.1899	-.2607
.575			-.1306	
.600				
.625				-.4763
.650	-.0639			-.4676
.675			-.4546	
.700			-.5655	
.725				
.750			-.6701	-.7391
.775			-.5603	-.6763
.800			-.4753	
.825	-.4216			
.850			-.3843	-.2629
.875			-.2316	
.900			-.3034	
.925	-.4393			
.950	-.3724		-.2737	-.1599
.975			-.3042	-.1599
.990			-.1991	.0000
.995			-.2146	
.999	-.8649			







(001131)

TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A16 01+12+12+12+12+12 LOWER WING

ALPHAO( 0) = -.000 BETA0 (11) = 10.120

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

WING	.2000	.3040	.4270	.5340	.6730	.7030	.8070
1/CU							
.000	-.2034	-.0001	.0700	.1005	.2343	.1330	.1491
.020				-.0065	-.2000	-.4372	-.0253
.030			.0731				
.040		.0077					
.050			.0321				
.060	-.1000			-.0030	-.1043	-.2032	-.4525
.080					-.0104		
.090			.0407				
.100		.0450					
.120	-.1100						
.130			.1047		-.0210	-.0795	-.1910
.140				.0226			
.150		.0330					
.160			.0075		-.0413	-.1202	-.1026
.170							
.180	.0017	.0232					
.190							
.200							
.220							
.240							
.260							
.280							
.300							
.320							
.340							
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.1000							



(881131)

DATE 11 JAN 75

ARC11-716 1A14 Q1-712-312-25-AT19 LOWER WING

ALPHA(7) = 2.060 BETA(1) = -10.000

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
V/BW				
0.00	.0677	.1015	.0006	.6373
0.05			.0006	.6373
0.10			.0006	.6373
0.15			.0006	.6373
0.20			.0006	.6373
0.25			.0006	.6373
0.30			.0006	.6373
0.35			.0006	.6373
0.40			.0006	.6373
0.45			.0006	.6373
0.50			.0006	.6373
0.55			.0006	.6373
0.60			.0006	.6373
0.65			.0006	.6373
0.70			.0006	.6373
0.75			.0006	.6373
0.80			.0006	.6373
0.85			.0006	.6373
0.90			.0006	.6373
0.95			.0006	.6373
1.00			.0006	.6373
1.05			.0006	.6373
1.10			.0006	.6373
1.15			.0006	.6373
1.20			.0006	.6373
1.25			.0006	.6373
1.30			.0006	.6373
1.35			.0006	.6373
1.40			.0006	.6373
1.45			.0006	.6373
1.50			.0006	.6373
1.55			.0006	.6373
1.60			.0006	.6373
1.65			.0006	.6373
1.70			.0006	.6373
1.75			.0006	.6373
1.80			.0006	.6373
1.85			.0006	.6373
1.90			.0006	.6373
1.95			.0006	.6373
2.00			.0006	.6373
2.05			.0006	.6373
2.10			.0006	.6373
2.15			.0006	.6373
2.20			.0006	.6373
2.25			.0006	.6373
2.30			.0006	.6373
2.35			.0006	.6373
2.40			.0006	.6373
2.45			.0006	.6373
2.50			.0006	.6373
2.55			.0006	.6373
2.60			.0006	.6373
2.65			.0006	.6373
2.70			.0006	.6373
2.75			.0006	.6373
2.80			.0006	.6373
2.85			.0006	.6373
2.90			.0006	.6373
2.95			.0006	.6373
3.00			.0006	.6373
3.05			.0006	.6373
3.10			.0006	.6373
3.15			.0006	.6373
3.20			.0006	.6373
3.25			.0006	.6373
3.30			.0006	.6373
3.35			.0006	.6373
3.40			.0006	.6373
3.45			.0006	.6373
3.50			.0006	.6373
3.55			.0006	.6373
3.60			.0006	.6373
3.65			.0006	.6373
3.70			.0006	.6373
3.75			.0006	.6373
3.80			.0006	.6373
3.85			.0006	.6373
3.90			.0006	.6373
3.95			.0006	.6373
4.00			.0006	.6373
4.05			.0006	.6373
4.10			.0006	.6373
4.15			.0006	.6373
4.20			.0006	.6373
4.25			.0006	.6373
4.30			.0006	.6373
4.35			.0006	.6373
4.40			.0006	.6373
4.45			.0006	.6373
4.50			.0006	.6373
4.55			.0006	.6373
4.60			.0006	.6373
4.65			.0006	.6373
4.70			.0006	.6373
4.75			.0006	.6373
4.80			.0006	.6373
4.85			.0006	.6373
4.90			.0006	.6373
4.95			.0006	.6373
5.00			.0006	.6373
5.05			.0006	.6373
5.10			.0006	.6373
5.15			.0006	.6373
5.20			.0006	.6373
5.25			.0006	.6373
5.30			.0006	.6373
5.35			.0006	.6373
5.40			.0006	.6373
5.45			.0006	.6373
5.50			.0006	.6373
5.55			.0006	.6373
5.60			.0006	.6373
5.65			.0006	.6373
5.70			.0006	.6373
5.75			.0006	.6373
5.80			.0006	.6373
5.85			.0006	.6373
5.90			.0006	.6373
5.95			.0006	.6373
6.00			.0006	.6373
6.05			.0006	.6373
6.10			.0006	.6373
6.15			.0006	.6373
6.20			.0006	.6373
6.25			.0006	.6373
6.30			.0006	.6373
6.35			.0006	.6373
6.40			.0006	.6373
6.45			.0006	.6373
6.50			.0006	.6373
6.55			.0006	.6373
6.60			.0006	.6373
6.65			.0006	.6373
6.70			.0006	.6373
6.75			.0006	.6373
6.80			.0006	.6373
6.85			.0006	.6373
6.90			.0006	.6373
6.95			.0006	.6373
7.00			.0006	.6373
7.05			.0006	.6373
7.10			.0006	.6373
7.15			.0006	.6373
7.20			.0006	.6373
7.25			.0006	.6373
7.30			.0006	.6373
7.35			.0006	.6373
7.40			.0006	.6373
7.45			.0006	.6373
7.50			.0006	.6373
7.55			.0006	.6373
7.60			.0006	.6373
7.65			.0006	.6373
7.70			.0006	.6373
7.75			.0006	.6373
7.80			.0006	.6373
7.85			.0006	.6373
7.90			.0006	.6373
7.95			.0006	.6373
8.00			.0006	.6373
8.05			.0006	.6373
8.10			.0006	.6373
8.15			.0006	.6373
8.20			.0006	.6373
8.25			.0006	.6373
8.30			.0006	.6373
8.35			.0006	.6373
8.40			.0006	.6373
8.45			.0006	.6373
8.50			.0006	.6373
8.55			.0006	.6373
8.60			.0006	.6373
8.65			.0006	.6373
8.70			.0006	.6373
8.75			.0006	.6373
8.80			.0006	.6373
8.85			.0006	.6373
8.90			.0006	.6373
8.95			.0006	.6373
9.00			.0006	.6373
9.05			.0006	.6373
9.10			.0006	.6373
9.15			.0006	.6373
9.20			.0006	.6373
9.25			.0006	.6373
9.30			.0006	.6373
9.35			.0006	.6373
9.40			.0006	.6373
9.45			.0006	.6373
9.50			.0006	.6373
9.55			.0006	.6373
9.60			.0006	.6373
9.65			.0006	.6373
9.70			.0006	.6373
9.75			.0006	.6373
9.80			.0006	.6373
9.85			.0006	.6373
9.90			.0006	.6373
9.95			.0006	.6373
10.00			.0006	.6373

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R01L31)

ARC11-716 IA14 01-T12-S12M25-AT110 LOWER WING

ALPHA( 7 ) = 1.980 BETA( 2 ) = -5.980

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0190	.1280	.4572	.6330	.5938	.5348	.5073
.020				.1721	.1665	.1751	.1028
.030		.2500	.3363				
.040			.2351				
.048				.1430	.1225	.0901	.0271
.050	.0357			.1233			
.080			.1963				
.085		.2014					
.086							
.094	.0277			.1497	.1633	.0879	.0135
.150		.3224					
.163			.1748				
.177	.1638						
.229		.1830		.1716	.1164	.0612	-.0664
.246			.1961				
.250							
.274	.2596	.2161		.1776	.0526		-.1373
.362			.2375				
.390			.1134	.0027	-.1341		
.402							
.497	.2162						
.550							
.565							
.650							
.700	.3090						
.725							
.750							
.760							
.775							
.808							
.834	-.3392						
.850							
.857							
.865							
.900	-.4096						
.905	-.3698						
.925							
.950							
.953							
.965							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A144 - VOL. 5

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING (R01L31)

ALPHA( 7) = 1.970 BETA( 3) = -3.980

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CM			
.2990	.3640	.4270	.5340	.6790 .7800 .8870
.000	.0064	.1073	.4243	.6004 .5556 .4990 .4699
.020			.3133	.1376 .1264 .1291 .0622
.030		.2342	.2077	
.040				.1110 .0640 .0559 -.0066
.050	.0173			.0960
.060		.1726		
.085		.2836		
.086	.0080			.1254 .1351 .0599 -.0228
.094		.3020		
.150			.1519	
.163	.1481			
.177		.1605		.1451 .0894 .0338 -.0844
.229			.1729	
.246	.2395			
.250		.1903		.1538 .0284 -.1641
.274			.2129	
.362				-.0187 -.1577
.390	.1912		.0900	
.402				-.3939
.497				-.5231
.550				-.6549 -.6432
.565				
.600				-.5165
.650	.2704			-.6815 -.6949
.700				-.6031
.725				-.4378
.750				-.3637 -.2778 -.2378
.760				
.775				-.3729
.808				
.834	.3872			-.1772 -.1288 -.2341
.850				-.2283 -.0831 .0000
.857				-.1400
.865				
.900	-.3765			
.905	-.3372			
.950				
.955				
.965	-.2661			

(281L31)

ARC11-716 1A14 01+T18+312M25+AT10 LOWER WING

ALPHA(°) = 1.000 BETA(°) = -1.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3645	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0363	.0687	.3908	.5599	.5179	.4599	.4397
.020	.0290	.2616		.0952	.0808	.0862	.0134
.040		.2020					
.060			.1797	.0753	.0474	.0196	-.0470
.080	-.0001			.0623			
.100			.1403				
.120		.2315					
.140	-.0016			.0941	.1065	.0384	-.0455
.160		.2722					
.180			.1175				
.200	.1270						
.220		.1291		.1172	.0652	.0159	-.0991
.240			.1391				
.260	.2123						
.280		.1547					
.300			.1710	.1252	.0086		-.1847
.320	.1570			-.0394	-.1750		
.340		.0473					
.360						-.4086	-.3978
.380	.2011			-.5204	-.5318		
.400						-.6690	-.6599
.420			-.4200	-.6779	-.6938		
.440			-.5789				
.460	-.3107			-.3679	-.2821	-.2314	
.480			-.3593				
.500				-.1802			-.2235
.520	-.3577						
.540	-.3112		-.2271	-.1359		.0000	
.560				-.0972			
.580			-.1480				
.600	-.2803						



(R01L31)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 3

ARC11-716 IAL14 01+112+512N25+AT10 LOWER WING

ALPHA( 7) = 1.980 BETA( 5) = .060

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CM			
.2890	.3640	.4270	.5340	.6750 .8870
.000	-.0031	.0227	.3498	.5176 .4783 .4224 .4076
.050			.0650	.0360 .0411 -.0242
.090			.2651	
.040		.1633		
.048			.1637	
.050	-.0137		.0414	.0093 -.0101 -.0756
.060			.0241	
.065		.1226		
.086	.2058			
.094	-.0029		.0640	.0745 .0105 -.0732
.130		.2468		
.163			.0858	
.177				
.229	.1096			
.246		.1944		
.250			.0706	.0343 -.0063 -.1189
.274		.0949		
.362	.1735			
.390		.1111		
.400			.0799	-.0132 -.2042
.402		.1179		
.497	.1155		-.0729	-.1860
.550			.0034	
.565				-.4146
.600			-.4223	
.650			-.5309	
.700	.0879		-.5181	-.6719 -.6774
.725				
.750		-.4170	-.6513	-.6784
.760				
.775		-.5694		
.808			-.5436	-.3283 -.2393
.834	-.3906			
.850		-.4941		
.857				
.865	-.4162		-.2265	-.2515
.900	-.3713		-.3018	-.1716 .0000
.905			-.1362	
.950		-.1657		
.953				
.965	-.2000			

(081L31)

ARC11-716 1A14 04+712+512+23+AT10 LOWER WING

ALPHA(1) = 1.979 BETA(1) = 2.240

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2999	.3640	.4270	.5340	.6790	.7800	.8870
X/CW							
.000	-.1241	-.0218	.2933	.4841	.4359	.3793	.3749
.020				.0604	.0028	-.0979	-.0717
.030			.2493				
.040		.1012					
.048			.1647				
.050	-.0290			.0406	-.0165	-.0323	-.1045
.080				.0240			
.085			.1167				
.086		.1672					
.094	-.0077			.0406	.0304	-.0165	-.0997
.150		.2023					
.163			.0833				
.177							
.229	.0890						
.246		.1106					
.290			.0833	.0508	.0102	-.0201	-.1445
.274							
.362	.1502	.0993					
.390							
.400			.0731	.0471	-.0389		-.2242
.402							
.497	.1086			-.0998	-.2062		
.550			-.0588				
.565							
.600							
.650							
.700	.0072			-.4781	-.5415	-.4459	-.4376
.725							
.750			-.3844				
.760				-.6041	-.6641		
.775			-.4785				
.808							
.834	-.3904						
.850							
.857			-.3981	-.4672	-.3280	-.2281	
.865	-.3801						
.900	-.3254			-.2470			-.2121
.925			-.3037		-.1349		
.950				-.1299		.0000	
.955			-.1895				
.965	-.2465						



TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512H25+AT10 LOWER WING (RB1L31)

ALPHA (  $\gamma$  ) = 2.050 BETA (  $\gamma$  ) = 4.050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7000 .8070

X/CW

.000	-.1566	-.0365	.1046	.4641	.4000	.3401	.3300
.020				.0564	-.0044	-.0192	-.1049
.030			.1923				
.040		.0514					
.048			.1458				
.050	-.0517			.0346	-.0328	-.0663	-.1268
.060				.0201			
.085			.1164				
.086		.1190					
.094	-.0221						
.150		.1607		.0310	.0362	-.0394	-.1240
.163			.0846				
.177							
.229	.0707	.1074		.0303	-.0120	-.0504	-.1681
.246							
.250			.0747				
.274							
.362	.1284	.0872					
.390				.0000	-.0702		-.2469
.400							
.432			.0497				
.497	.0969			-.1509	-.2369		
.550							
.565							
.600							
.650							
.700	-.0377						
.725				-.4351			
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900	-.4470						
.905							
.925							
.950							
.953							
.965							

-.4654

-.4689

-.5516

-.6920

-.7246

-.8591

-.8674

-.8071

-.4092

-.4055

-.3441

-.2195

-.1900

-.2704

-.3003

-.1431

.0000

-.1579

-.2003

-.2592



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(R01L31)

ARC11-716 IAL14 01+T12+S12N25+T10 LOWER WING

ALPHA (°) = 2.040 BETA (°) = 0.000

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW			
.2900	.3640	.4270	.5340 .6730 .7800 .8870
X/CW			
.000	-.2502	-.0344	.0423 .2137 .3564 .2769 .2821
.020			.0868 -.0459 -.0893 -.2019
.030			.1000
.040		.0032	.0900
.048			.0675 -.0574 -.1236 -.1934
.050	-.1403		.0563
.080			.0865
.085		.0544	
.086			.0382 -.0046 -.0883 -.1807
.094	-.0927		
.150		.1150	
.163		.0726	
.177			.0160 -.0636 -.1032 -.2121
.220	.0223	.0685	
.246			.0557
.250			
.274	.1011	.0623	
.362			-.0391 -.1400 -.2786
.390			.0199
.400			-.1888 -.2912
.402			-.1402
.437	.0670		-.4267
.452			-.4728
.550			-.6643 -.7037
.565			-.5519 -.9233
.600			-.4606
.630			-.4014 -.3600 -.3043
.700	-.0932		-.3768
.725			-.4036
.750			-.5519 -.9233
.760			-.4606
.775			-.4014 -.3600 -.3043
.806			-.3768
.834	-.4397		-.4036
.850			-.5519 -.9233
.857			-.4606
.865	-.4403		-.4014 -.3600 -.3043
.900	-.3601		-.3768
.935			-.4036
.950			-.5519 -.9233
.955			-.4606
.965	-.2807		-.4014 -.3600 -.3043

(R01L31)

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA(°) = 2.025 BETA(10) = 12.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2990	-.0377	.0116	.1207	.2694	.2505	.2433
.020				.0777	-.0517	-.1345	-.2622
.030					.0828		
.040		-.0374					
.048			.0756				
.050	-.1804			.0594	-.0476	-.1472	-.2300
.080				.0445			
.085				.0665			
.086		.0316					
.094	-.1206						
.150				.0277	-.0227	-.1139	-.2049
.163		.1130					
.177			.0556				
.223	.0762						
.246		.0543					
.250				.0030	-.0736	-.1362	-.2375
.274			.0411				
.352	.0888						
.390		.0449		-.0628	-.1507		-.2930
.400			.0028				
.402							
.497	.0578			-.2096	-.2922		
.550							
.565				-.1653			
.600							
.650							
.700	-.1323			-.4112	-.4465	-.4374	-.4823
.725							
.750							
.760				-.4089			
.775				-.5192	-.4946		
.808				-.4543			
.834	-.4589						
.850				-.4013	-.3630	-.3054	
.857				-.3896			
.865	-.4379						
.900	-.3686			-.3265			-.1292
.905				-.3565	-.1380		
.950				-.2104		.0000	
.953							
.965	-.2760			-.2631			



DATE 11 JAN 75

(R01L32)

ARC11-716 1A14 Q1+Y12+S12N25+AY13 :LOWER WING

ALPHA(0) = 4.115      BETA(1) = -17.995

SECTION 1 - LOWER WING

V/8W	.2090	.3640	.4275	.5340	.6750	.7650	.9870
X/CW							
.000	.0422	.1200	.4771	.6750	.6331	.5569	.5178
.020				.3389	.3613	.3286	.3207
.030		.3111					
.040			.4404				
.060			.3341				
.080	.0812			.2675	.2816	.2447	.1803
.100			.2832	.2299			
.120		.3462					
.140	.0641						
.150		.3076		.2312	.2451	.1945	.1110
.160			.2511				
.170							
.180	.2113	.2277					
.200			.2611	.2397	.1879	.1337	.0955
.220							
.240	.3193	.2714					
.260			.2632	.2153	.1036		.0727
.280	.2733			.0252	-.0903		
.300			.1460				.2869
.320						-.3194	
.340	.3327			-.4973	-.4680		
.360			-.4189			-.5435	-.3187
.380				-.6429	-.6003		
.400			-.6232				
.420							
.440	-.3485						
.460			-.6902	-.6090	-.6941	-.7203	
.480							
.500	-.4626						
.520	-.4277		-.2531	-.2327	-.1424		-.6922
.540				-.1956		.0909	
.560		-.1104					
.580	-.3237						

(R01L31)

ARC11-716 1A14 08+112+312M25+AT10 LOWER WING

ALPHA(0) = 4.130 BETA(0) = -7.960

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Z/CW	.090	.0934	.4560	.6560	.6116	.5294	.4862
.020				.3086	.3353	.2979	.2910
.030			.4164				
.040		.2844					
.050			.3110				
.060	.0396		.2479	.2531	.2212	.1562	
.080			.2135				
.085			.2609				
.086		.3217					
.094	.0331			.2167	.2242	.1767	.0901
.100		.3690					
.163			.2250				
.177							
.229	.1948	.1972		.2162	.1676	.1167	-.0147
.246			.2373				
.250							
.274	.3025						
.362		.2520		.2074	.0849		-.0929
.390							
.400			.2623				
.402	.2488			.0213	-.1034		
.497							
.550			.1250				
.565							
.600							
.650							
.700	.3259						
.725							
.750							
.760							
.775							
.800							
.834	-.3368						
.850							
.857							
.865	-.4329						
.900	-.3926						
.905							
.910							
.913							
.965	-.3022						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING (RBIL31)

ALPHA(6) = 4.150 BETA(3) = -5.960

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3660	.4270	.5340 .6730 .7800 .8870
Z/CW				
.000	-.0141	.0731	.4285	.6268 .5773 .4967 .4520
.020			.3952	.2674 .2907 .2675 .2619
.040		.2626		
.060			.2875	.2168 .2201 .1946 .1312
.080			.2385	.1842
.100		.3046		
.120	.0414			.1802 .1995 .1550 .0627
.140		.3516		
.160			.2088	
.180	.1787			
.200		.1027		.1951 .1427 .0942 -.0351
.220			.2174	
.240	.2834			
.260		.2293		.1830 .0662 -.1159
.280			.2424	
.300	.2248		.1102	.0010 -.1269
.320				-.3298
.340	.2893			-.3605
.360			-.4829	-.4959
.380				-.5905 -.5697
.400			-.3785	
.420				-.6058 -.6291
.440			-.5608	
.460				-.5671 -.6331 -.7693
.480	-.3133			
.500			-.4285	
.520				-.1927
.540	-.3953			-.1249
.560	-.3371			-.0760
.580				-.0900
.600				-.1204
.620				
.640				
.660				
.680				
.700				
.720				
.740				
.760				
.780				
.800				
.820				
.840				
.860				
.880				
.900				
.920				
.940				
.960				
.980				
.995				

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 3

(881131)

ARC11-716 IAI4 OL+TIR-S12M23+AT10 LOWER WING

ALPHA(0) = 4.100 BETA(4) = -3.903

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/W	.2000	.3600	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.0414	.0499	.4007	-.76	.5502	.4655	.4209
.020				.2347	.2550	.2266	.2263
.030			.3694				
.040		.2356					
.048			.2613				
.050	.0266			.1907	.1842	.1625	.1003
.080				.1501			
.085			.2193				
.086		.2825					
.094	.0247			.1672	.1788	.1266	.0391
.150		.3356					
.163			.1063				
.177							
.229	.1626						
.246		.1629		.1726	.1242	.0748	-.0446
.250			.1957				
.274	.2678						
.362		.2093		.1662	.0451		-.1397
.380			.2193				
.400	.2094			-.0125	-.1404		
.402			.0058			-.3763	
.497				-.4946			-.3584
.550					-.5032		
.600						-.6142	-.5917
.610	.2560						
.725							
.750							
.760							
.775							
.808							
.834	-.3008						
.850							
.857							
.865							
.900							
.905							
.910							
.915							
.965							





(R01L31)

ANC11-716 1A14 Q1-Y12-S12N25-Y10 LOWER WING

4.000 ( 0 ) = ( 0 ) C4138 8510 ( 5 ) = ( 5 ) C4138

DEPENDENT VARIABLE CP

2014 030711 ) NC1A235

178W	239D	364D	427D	534D	673D	780D	867D
000	-0771	0193	3713	5603	5229	4416	3970
025				1756	2124	1026	1937
050		2546	3300				
075			2345				
100	0031			1376	1519	1337	0710
125			1911	1000			
150		2566					
175	0076						
200		3565		1225	1505	1050	0115
225			1562				
250	1425	1355					
275			1650	1322	0900	0565	-0634
300	2391	1704					
325			1464	1225	0301		-1605
350	1000			-0575	-1566		
375			0529			-3974	-3703
400				-3333	-5172		
425			-3742	-6000	-6610		
450			-5634				
475	-3000		-3744	-5964	-4700	-4844	
500							
525	-3411			-2249	-1505		-4133
550	-3543		-2355	-1990		0000	
575			-1456				
600							
625							
650							
675							
700							
725							
750							
775							
800							
825							
850							
875							
900							
925							
950							
975							
1000							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L31)

ARC11-716 1A14 01+112+512N25+AT1D LOWER WING

ALPHA(0) = 4.050 BETA(7) = 2.050

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	X/CW	0.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.1746	-.0871	.2679	.4890	.4460	.3694	.3356	
.020				.1480	.1312	.0931	.1134	
.030		.0871		.2877				
.040			.0871	.2028				
.048					.1046	.0754	.0584	.0092
.050	-.0360			.0792				
.060				.1551				
.065			.1785					
.066					.0804	.0932	.0442	-.0446
.094	-.0039		.2236	.1161				
.100					.0801	.0368	.0075	-.1121
.163								
.177								
.229	.0992		.1220	.1058				
.246								
.250								
.274	.1669		.1220					
.362					.0629	-.0215		-.2048
.390				.0952				
.400					-.0903	-.1974		
.402	.1250							
.497								
.530								
.565								
.600								
.630								
.700	.0193							
.725								
.750								
.760								
.775								
.808								
.834	-.3438							
.850								
.857								
.865	-.3914							
.900	-.3424							
.905								
.950								
.955								
.965	-.2473							

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## DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R01L31)

ARC11-716 IA14 01-712-312N25-AT19 LOWER WING

ALPHA (°) = 4.039 BETA (°) = 4.039

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/Cu							
.000	-.2035	-.1022	.1481	.4670	.4110	.3383	.3094
.020			.2140	.1358	.1124	.0701	.0831
.030		.0330					
.040			.1771	.0937	.0603	.0398	-.0154
.048				.0684			
.050	-.0644						
.080			.1479				
.085							
.086		.1267					
.094	-.0213			.0672	.0794	.0241	-.0690
.150			.1773				
.163							
.177			.1122				
.229	.0770						
.246		.1211		.0611	.0203	-.0099	-.1376
.250			.0967				
.274	.1458			.0250	-.0457		-.2274
.362		.1052					
.390							
.400			.0681				
.402							
.497	.1125			-.1343	-.2207		-.4451
.550							
.563							
.600							
.650							
.700	-.0231			-.4242	-.5442		
.725							
.750							
.760							
.775							
.808							
.834	-.4033						
.850							
.857							
.865	-.4381						
.900	-.3649						
.905							
.950							
.955							
.965	-.2476						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14A - VOL. 5

(R01L31)

ARC11-716 IAL14 01+7112+512+25+AT10 LOWER WING

ALPHA (°) = 4.020 BETA (°) = 6.070

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2000	.3040	.4270	.5340 .6730 .7000 .8070
X/CW				
.000	-.2626	-.0875	.0422	.3921 .3090 .3129 .2891
.020				.1223 .0892 .0300 .0365
.030				
.040		.0501		
.048			.1412	
.050	-.1164		.0887 .0384 .0086	-.0518
.060			.0689	
.065			.1331	
.086		.0887		
.094	-.0616			
.150			.0596 .0372	-.0028 -.0929
.163		.1409		
.177			.1116	
.229	.0535			
.246		.1020		
.250			.0877	
.274				.0403 -.0066 -.0353 -.1585
.362	.1202	.0995		
.390				
.400				-.0003 -.0790 -.2447
.402			.0539	
.497	.1329			
.550			-.1552 -.2456	
.565			-.1034	
.600				-.4617
.650				-.4694
.700	-.0495			-.4866
.725			-.4027	
.750				-.6462 -.7043
.760			-.3856	
.775			-.9650 -.6230	
.808			-.4732	
.834	-.4261			
.850			-.3764 -.3054	-.2918
.857			-.3710	
.865	-.4464			
.900	-.3631		-.2377	-.2173
.905			-.1135	
.950			-.1441	.0000
.955			-.2011	
.965	-.8685			

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(RBL31)

TABULATED PRESSURE DATA - IAI4A - VOL. 3

ARC11-716 IAI4 01+712+312+25+AT10 LOWER WING

DATE 11 JAN 75

ALPHA(0) = 4.010 BETA(10) = 0.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2816	-.0663	.0024	.1972	.3713	.2902	.2688
.020				.1320	.0666	-.0032	-.0096
.030			.1131				
.040		-.0172					
.060			.1084				
.080	-.1546			.1016	.0149	-.0141	-.0028
.090				.0861			
.095			.1124				
.096		.0504					
.094	-.0887						
.100				.0712	.0306	-.0294	-.1180
.163		.1268					
.177			.0971				
.229	.0301						
.246		.0814					
.250				.0434	-.0269	-.0646	-.1788
.274			.0797				
.362	.1127	.0828					
.390				-.0123	-.1123		-.2582
.400			.0470				
.402				-.1642	-.2682		
.497	.0833						
.530			-.1213				
.565					-.4558		-.4756
.600							
.650							
.700	-.0855			-.3976			
.725					-.6368	-.7096	
.750							
.760			-.3746				
.775				-.5623	-.5638		
.808			-.4553				
.834	-.4224						
.850				-.3816	-.3717	-.3289	
.857			-.3717				
.865	-.4283						
.900	-.3491			-.2849			-.2564
.925			-.3155		-.1187		
.950				-.1655		.0000	
.963			-.2348				
.965	-.2536						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5

(881131)

ARC11-716 1414 OL-T12-S12H25-AT10 LOWER WING

ALPHA(°) = 4.000 BETA(11) = 10.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3218	-.0631	-.0296	.0972	.2994	.2748	.2587
.020				.1129	.0316	-.0127	-.0568
.030			.0784				
.040		-.0586					
.048			.0801				
.050	-.1840			.0919	.0089	-.0330	-.1223
.080			.0840	.0808			
.085							
.086		.0254					
.094	-.1298			.0508	.0113	-.0564	-.1471
.150		.1173					
.163			.0759				
.177							
.229	-.0015	.0556		.0319	-.0461	-.0934	-.2030
.246			.0617				
.250							
.274	.0946						
.362		.0612		-.0314	-.1243		-.2739
.390			.0220				
.400				-.1824	-.2698		
.402			-.1437				
.497	.0616						
.550							
.565							
.600							
.630							
.700	-.1214						
.725				-.3921	-.4341		
.750			-.3870				
.760				-.5214	-.4608		
.775			-.4376				
.808							
.834	-.4211			-.3845	-.3428	-.3176	
.850							
.857			-.3759				
.865	-.4255						
.900	-.3511		-.2847				
.905			-.3258		-.1214		
.950				-.1873			
.953			-.2470				
.965	-.2651						

-1.1769

.0000

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TABULATED PRESSURE DATA - 2A14A - VOL. 5

(RB9131)

ARC11-716 1A14 01+T12+S12N23+AT10 LOWER WING

ALPHA( 9) = 6.023      BETA( 1) = -9.987

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP						
V/BW		.2000	.3640	.4270	.3340	.6730	.7800	.8870
X/CW								
.000	.0326	.0920		.4631	.6703	.6040	.5074	.4528
.020					.4421	.4806	.4611	.4429
.030				.4912				
.040		.3289						
.048				.3879				
.050	.0912				.3423	.3745	.3334	.2862
.085				.3298	.3006			
.086			.3723					
.094	.0799							
.150					.2826	.3040	.2583	.1714
.183			.4162					
.177				.2842				
.229	.2234							
.446		.2507		.2852	.2663	.2278	.1799	.0545
.250								
.274		.3359	.2907					
.362					.2406	.1289		-.0343
.390				.2982				
.400								
.402								
.497	.2081			.1554	.0475	-.0691		-.2484
.550							-.2913	
.565								
.600								
.650								
.700	.3602				-.4520			
.725					-.4622		-.4807	-.4531
.750				-.4006				
.760					-.5538	-.5233		
.775				-.5738				
.808								
.834	-.3467							
.850					-.6038	-.6383	-.6423	
.857				-.5117				
.865								
.900					-.3779			-.6796
.905				-.2980		-.2392		
.950					-.1337		.0000	
.953				-.1277				
.965	-.3311							



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TABULATED PRESSURE DATA - IA14A - VOL. 5

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ARC11-716 IA14 01+112+512125+AT10 LOWER WING

(RB1L31)

ALPHA( 9 ) = 5.930 BETA( 2 ) = -7.960

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP		
Y/BW	X/CW		
.2990	.3640	.4270	.5340
.6730	.7800	.8870	
.000	-.0040	.0581	.4393
.020			.6484
.030			.5862
.040			.4830
.048			.4219
.050			.4325
.055			.4127
.065			
.085			
.086			
.094			
.150			
.163			
.177			
.229			
.246			
.250			
.274			
.362			
.390			
.400			
.402			
.497			
.530			
.565			
.600			
.650			
.700			
.785			
.790			
.760			
.775			
.800			
.834			
.850			
.857			
.865			
.900			
.925			
.950			
.953			
.965			

(R01L31)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 OR+T12+512N25+AT10 LOWER WING

ALPHA( 9 ) = 5.960 BETA( 3 ) = -5.960

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2900	.3640	.4270
.3340	.6750	.7800
.8070		
.0000	-.0376	.0319
.0200		.4192
.0300		.8243
.0400		.5666
.0500		.4590
.0600		.3651
.0700		.4158
.0800		.5866
.0900		.4398
.1000	.2710	
.1100		.3327
.1200		.2929
.1300		.3161
.1400		.3017
.1500		.2383
.1600		.2492
.1700		.2798
.1800		
.1900	.3254	
.2000		.0503
.2100		.2394
.2200		.2614
.2300		.2196
.2400		.1270
.2500	.3014	
.2600		.2411
.2700		
.2800	.1935	
.2900		.2110
.3000		
.3100	.2477	
.3200		.2290
.3300		.1895
.3400		.1450
.3500		.0344
.3600	.3064	
.3700		.2554
.3800		
.3900	.2624	
.4000		.2072
.4100		.0932
.4200		
.4300	.0767	
.4400		
.4500	.0241	
.4600		-.0997
.4700		
.4800	.1190	
.4900		
.5000		-.2894
.5100		
.5200		-.3245
.5300		
.5400		-.4760
.5500		
.5600		-.4662
.5700		
.5800	.3145	
.5900		
.6000		-.3720
.6100		
.6200		-.5496
.6300		-.5635
.6400		
.6500		-.5181
.6600		
.6700		
.6800		-.6016
.6900		-.6019
.7000		-.6623
.7100		
.7200		-.4554
.7300		
.7400		
.7500		-.3037
.7600		
.7700		-.3614
.7800		
.7900		
.8000		-.2602
.8100		-.1802
.8200		
.8300		-.1039
.8400		
.8500		-.9000
.8600		
.8700		-.1831
.8800		
.8900		
.9000		
.9100		
.9200		
.9300		
.9400		
.9500		
.9600		
.9700		
.9800		
.9900		
1.0000		



(R01L91)

ARC11-716 1A14 04+Y12+312M25+AT10 LOWER WING

ALPHA( 9) = 3.930      BETA( 4) = -3.970

SECTION ( LOWER WING		DEPENDENT VARIABLE CP			
Y/BW	W	.0000	.0010	.0020	.0030
X/CM					
.000	-.0765	-.0015	.3029	.5976	.5289
.020			.4179	.3242	.3650
.040	.2453				.3341
.060			.3101	.2537	.2634
.080	.0311		.2557	.2130	.2516
.100					
.120	.0330	.3031			
.140		.3423		.2078	.2245
.160			.2100		.1816
.180	.1779				.0975
.200		.1858			
.220			.2207	.2009	.1572
.240	.2013				.1131
.260				.1746	.0668
.280	.2200		.2341		-.1094
.300				-.0054	-.1239
.320			.0943		
.340					-.3100
.360	.2724			-.4646	-.3487
.380					-.4809
.400		-.3734			-.3302
.420				-.3056	-.5225
.440		-.5272			
.460					
.480	-.2073			-.5908	-.6211
.500		-.4190			-.6371
.520					
.540	-.3059				
.560	-.3206		-.2324	-.2601	-.1814
.580				-.0914	.0000
.600			-.1351		
.620	-.2778				

(081L31)

ARC11-716 1A14 ON+T12+SIEMES+AT10 LOWER WING

ALPHA(1) = 5.940 BETA(1) = -1.960

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2993	.3640	.4270	.5340 .6730 .7003 .8070
Z/CW				
.000	-.1207	-.0372	.3533	.5686 .9239 .4002 .3367
.020				.2826 .3203 .3201 .3104
.040		.2054	.3644	
.060			.2798	
.080	.0076		.2148	.2365 .2342 .1738
.100			.1845	
.120			.2247	
.140		.2716		
.160	.0194			
.180			.1820	.2030 .1616 .0667
.200		.3324	.1864	
.220				
.240	.1518	.1623		
.260			.1771	.1356 .0900 -.0181
.280		.1898		
.300	.2634	.2007		
.320			.1604	.0498 -.1272
.340		.2014		
.360	.497		-.0203	-.1407
.380		.0607		
.400				-.3470
.420			-.4817	
.440				-.5971 -.5759
.460	.2163			
.480		-.3625		
.500			-.5943	-.6279
.520		-.5150		
.540			-.5571	-.6544 -.7092
.560	-.2950		-.3744	
.580				
.600	-.3381			
.620	-.3030		-.2513	-.7342
.640		-.2469	-.1319	
.660			-.1048	.0000
.680		-.1477		
.700	-.2393			



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L31)

ARC11-716 1A14 01+712+512+5+AT10 LOWER WING

DATE 11 JAN 75

ALPHA(0) = 5.945 BETA(0) = .945

SECTION 1 LOWER WING DEPENDENT VARIABLE CF

Y/BW	.8000	.3645	.4273	.5345	.6735	.7855	.8875
X/CM							
.000	-.1836	-.0913	.3106	.5310	.4739	.3669	.2037
.025			.3505	.2384	.2758	.2699	.2724
.050		.1326					
.075			.2518				
.100	-.0132		.1684	.1951	.1949	.1395	
.125			.1342				
.150			.2023				
.175		.2363					
.200	.0106			.1327	.1688	.1296	.0417
.225		.3052					
.250			.1561				
.275	.1353			.1248	.1037	.0712	-.0478
.300		.1372					
.325			.1937				
.350	.2211						
.375		.1503		.1081	.0255		-.1952
.400			.1537				
.425				-.0856	-.1547		
.450	.1818		.2247				
.475						-.3758	
.500					-.3953		
.525				-.9237	-.5115		
.550	.1284					-.5887	-.5892
.575							
.600							
.625							
.650							
.675							
.700							
.725							
.750							
.775							
.800							
.825							
.850							
.875							
.900							
.925							
.950							
.975							
.995							

(R01L31)

ARC11-716 1A14 ON+T102+SIZE5+AT10 LOWER WING

ALPHA(01) = 5.000 BETA( 7) = 2.060

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2000	.3645	.4270	.5340	.6730	.7000	.8070
X/CW							
.000	-.2275	-.1566	.2420	.6046	.4414	.3309	.2674
.005				.2203	.2274	.2209	.2202
.010		.3745	.3202				
.015			.2410				
.020	-.0431			.1605	.1516	.1522	.1019
.025				.1291			
.030		.1800					
.035		.1841					
.040	.0216						
.045		.2442		.1100	.1304	.0901	.0113
.050	.1134		.1401				
.055		.1454					
.060			.1317	.1009	.0717	.0451	-.0734
.065	.1037						
.070		.1360		.0816	-.0014		-.1820
.075	.1475		.1082				
.080				-.0791	-.1789		
.085			-.0366				
.090					-.4149		-.3980
.095	.0351			-.4788	-.5257		
.100						-.6203	-.6293
.105			-.3653				
.110			-.5312	-.6030	-.6414		
.115							
.120	-.3775						
.125			-.4268	-.5843	-.6694	-.7215	
.130							
.135	-.4138						
.140	-.3664			-.2836			-.7379
.145				-.3187	-.1902		
.150				-.1334		.0000	
.155			-.1882				
.160	-.2568						



(11708)

ARC11-716 1A14 04+Y1P+312N23+Y1P LOWER WING

ALPHA( 0 ) = 5.999    DELTA( 0 ) = 4.979

SECTION : LOWER wing

7/56	.2003	.3640	.4270	.5340	.6732	.7022	.8070
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(881131)

ARC11-716 1A14 010712+312N25+AT10 LOWER WING

ALPHA( 9 ) = 5.990 BETA( 9 ) = 6.100

SECTION ( 2 ) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2900	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.3290	-.1381	-.0017	.3939	.3938	.2946	.2178
.020				.1892	.1844	.1532	.1563
.030			.1812				
.040		-.0284					
.048			.1691				
.050	-.1381			.1379	.1154	.1001	.0485
.060				.1091			
.085			.1640				
.086		.0903					
.094	-.0531			.0993	.0939	.0337	-.0336
.150							
.163		.1672					
.177			.1316				
.229	.0683						
.246		.1273					
.250				.0812	.0255	.0035	-.1199
.274		.1076					
.362	.1503						
.390		.1126					
.400			.0723	.0277	-.0536		-.2142
.402							
.497	.1175						
.590			-.1300	-.2265			
.563		-.0913					
.600							
.650					-.4492		-.4304
.700	-.0351			-.5031			
.725			-.3690			-.6453	-.6699
.750							
.760		-.3705		-.5741	-.6432		
.775			-.4874				
.808							
.834	-.4347						
.850			-.3917	-.5684	-.4575		
.857		-.3759					
.865	-.4903						
.900	-.3702		-.2709				-.3083
.905		-.2959	-.1253				
.950			-.1484			.0009	
.953		-.1367					
.965	-.2622						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBIL31)

ARC11-716 1A14 01+112+312H25+AT10 LOWER WING

ALPHA( 9 ) = 6.020 BETA( 10 ) = 8.130

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.3579	-.1134	-.0636	.1992	.3699	.2737	.2098
.020			.1220	.1765	.1567	.1319	.1280
.030		-.0403					
.040			.1377	.1333	.0896	.0774	.0174
.050	-.1716			.1093			
.060			.1414				
.085							
.086		.0556					
.094	-.1035			.0889	.0686	.0279	-.0614
.150		.1441					
.163			.1247				
.177							
.229	.0344	.1069		.0646	.0071	-.0242	-.1411
.246							
.250			.1051				
.274	.1323	.1071					
.362				.0027	-.0831		-.2348
.390			.0669				
.400				-.1478	-.2434		
.402			-.1007				-.4533
.497	.1116				-.4460		
.550				-.3935	-.4634		
.565						-.6390	-.6831
.600				-.5698	-.6073		
.650				-.4704			
.700	-.0687						
.725			-.3758				
.750							
.760							
.775							
.808							
.834	-.4167			-.3930	-.4210	-.4135	
.850			-.3664				
.857							
.865	-.4362						-.2545
.900	-.3310			-.2837		-.1326	.0000
.905			-.3031				
.950				-.1657			
.953			-.2218				
.965	-.2374						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING  
 (881L31)

ALPHA( 9) = 3.990 BETA( 11) = 10.150

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CW			
.2990	.3640	.4270	.5340	.6730 .7000 .8670
.000	-.3432	-.0912	.0573	.3021 .2616 .2130
.020			.1533	.1186 .0876 .0626
.030		.0802		
.040		-.0822		
.048		.0995		
.050	-.2012		.1267 .0710	.0425 -.0129
.080			.1116	
.095		.1139		
.086	.0223			
.094	-.1302		.0875 .0440	.0002 -.0057
.150		.1324		
.163		.1049		
.177				
.229	.0086			
.246		.0828		
.250			.0599 -.0126	-.0556 -.1639
.274		.0902		
.362	.1077			
.390		.0814		
.400			-.0093 -.1016	-.2325
.402		.0517		
.497	.0845			
.550			-.1634 -.2532	
.565		-.1298		
.600				-.4512
.650			-.4356	
.700	-.1068		-.4423	
.725		-.3877		
.750			-.6221 -.6927	
.760		-.3775		
.775		-.5447 -.5475		
.808		-.4499		
.834	-.4174			
.850		-.3958 -.3675	-.3562	
.857		-.3726		
.865	-.4322			
.900	-.3481		-.3057	-.2082
.905		-.3290	-.1171	
.950			-.1837	.0000
.953		-.2419		
.965	-.2759			



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L31)

ARC11-716 1A14 01+112+312H23+AT10 LOWER WING

ALPHA(110) = 0.990 BETA0 (1) = -9.970

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	0.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	.0000	.0000	.0390	.4541	.6560	.5620	.4371	.3740
.020	.0200			.5210	.5111	.5675	.5507	.5213
.040	.0400		.3345					
.060	.0600			.4117				
.080	.0800	.1071			.3936	.4440	.4360	.3580
.100	.1000			.3454	.3349			
.120	.1200		.3053					
.140	.1400	.0993			.3027	.3382	.3053	.2235
.160	.1600		.4194					
.180	.1800			.2820				
.200	.2000	.2306			.2661	.2473	.2122	.1120
.220	.2200		.2364					
.240	.2400			.2741				
.260	.2600	.3322			.2266	.1410		-.0029
.280	.2800		.2862					
.300	.3000			.2694				
.320	.3200	.2770			.0304	-.0317		
.340	.3400			.1310				-.2111
.360	.3600					-.2526		
.380	.3800	.3369			-.4184	-.4116		
.400	.4000						-.4376	-.4296
.420	.4200			-.3107				
.440	.4400			-.4007				
.460	.4600				-.6022	-.5830	-.5866	
.480	.4800	-.3207						
.500	.5000			-.5140				
.520	.5200							-.6622
.540	.5400	-.4047			-.6600			
.560	.5600	-.3972						
.580	.5800			-.3406		-.6323		.0000
.600	.6000				-.1890			
.620	.6200			-.1464				
.640	.6400							
.660	.6600							
.680	.6800							
.700	.7000							
.720	.7200							
.740	.7400							
.760	.7600							
.780	.7800							
.800	.8000							
.820	.8200							
.840	.8400							
.860	.8600							
.880	.8800							
.900	.9000							
.920	.9200							
.940	.9400							
.960	.9600							
.980	.9800							
.990	.9900							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+112+312N25+AT10 LOWER WING

(R81L31)

ALPHA(10) = 0.000 BETA( 2 ) = -7.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3840	.4270	.5340	.6750	.7000	.8070
.000	-.0407	-.0027	.4159	.6354	.5452	.4133	.3413	
.020				.4721	.5317	.5202	.4960	
.030			.4956					
.040			.3011					
.048				.3083				
.050	.0037			.3547	.4168	.4069	.3399	
.080				.3002				
.085			.3209					
.086			.3606					
.094	.0775							
.150			.4013	.2687	.3158	.2829	.1962	
.163								
.177			.2580					
.229	.2138							
.246			.2213	.2324	.2273	.1924	.0933	
.250			.2525					
.274								
.362	.3160		.2646	.1921	.1226		-.0214	
.390								
.400			.2506	.0037	-.0754			
.402								
.497	.2559							
.550			.1054					
.565								
.600								
.650								
.700	.3030							
.725								
.750								
.760			-.3104					
.775								
.808			-.4922					
.834	-.3086							
.850								
.857			-.4344					
.865								
.900	-.3616							
.905	-.3744							
.909								
.950								
.953								
.965	-.2999							



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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ARC11-716 1A14 01-712-512N25-AT10 LOWER WING

(881L31)

ALPHA(15) = 7.900 BETA( 3 ) = -5.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/W	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.0873	-.0450	.3857	.6152	.5227	.3904	.3101
.020			.4657	.4350	.5003	.4961	.4663
.040		.2836					
.060			.3603				
.080	.0559			.3264	.3833	.3829	.3120
.100			.2969	.2736			
.120		.3326					
.140	.0615						
.160		.3023		.2477	.2925	.2616	.1787
.180			.2392				
.200	.1966						
.220		.2059		.2175	.2008	.1759	.0699
.240			.2357				
.260	.2988	.2393					
.280				.1785	.1014		-.0402
.300			.2337				
.320				-.0589	-.0917		
.340			.0898				-.2479
.360					-.2766		
.380				-.4456			
.400	.2747				-.4742	-.4630	
.420			-.3188				
.440			-.4840	-.4680	-.4868		
.460							
.480	-.3026			-.6472	-.5814	-.6144	
.500			-.4761				
.520		-.3743					-.6605
.540		-.3543		-.4683	-.3719		
.560			-.2924				.0000
.580				-.1601			
.600			-.1347				
.620		-.2962					



(RB1L31)

ARC11-716 1A14 01+712+512+25+AT10 LOWER WING

ALPHA(10) = 7.940 BETA( 4 ) = -3.970

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/8W	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X CW				
.000	-.1323	-.0939	.3469	.5696 .4950 .3668 .2808
.020			.4441	.4011 .4542 .4617 .4348
.030		.2232		
.040			.3369	
.048	.0248		.3030	.3497 .3502 .2852
.050			.2536	
.060		.2721		
.065				
.066		.3075		
.094	.0439		.2257	.2715 .2374 .1513
.150		.3694		
.153			.2229	
.177				
.229	.1831			
.246		.1908		
.250			.2034	.1832 .1568 .0468
.274		.2219		
.362	.2873			
.390		.2240		
.400			.1660	.0809 -.0654
.402		.2185		
.497	.2300		.0673	
.550			-.0164	-.1099
.565				
.600				
.650				
.700	.2276			
.725			-.4546	
.750				
.760		-.3272	-.4721	-.5046
.775			-.4934	
.808				
.834	-.2973		-.6211	-.5930 -.6238
.850				
.857		-.4363		
.865	-.3463			
.900	-.3291		-.3620	
.905			-.2642	-.2667
.950			-.1327	.0000
.955				
.965	-.2820		-.1367	

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5

(881131)

ARC11-716 IAI14 01-112-512N25-AT110 LOWER WING

ALPHAC11B) = 7.949 BETA0 ( 5 ) = -1.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1798	-.1444	.3126	.5016	.4659	.3406	.2499
.020			.4083	.3507	.4144	.4226	.3999
.040		.1811					
.060			.3092	.2682	.3159	.3201	.2560
.080	-.0007			.2256			
.100			.2511				
.120		.2809					
.140	.0213			.2100	.2462	.2150	.1245
.160		.3495					
.180			.2064				
.200	.1627						
.220		.1742		.1896	.1695	.1581	.0195
.240			.2013				
.260	.2704			.1563	.0671		-.0882
.280		.2012					
.300			.2030				
.320	.2077			-.0161	-.1234		
.340			.0546				.2895
.360						-.3158	
.380				-.4378	-.4705		
.400						-.5136	-.4967
.420			-.3296				
.440				-.4700	-.5142		
.460			-.4887				
.480							
.500				-.5914	-.6097	-.6014	
.520			-.3949				
.540							
.560				-.3278			-.6733
.580							
.600			-.2637	-.2061			.0000
.620				-.1143			
.640			-.1511				
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.995							

(R811L31)

ARC11-716 1A14 01+112+512+5+AT10 LOWER WING

ALPHA(110) = 7.000 BETA( 6 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/SW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
X/CW							
.000	-.2153	-.1612	.2766	.5097	.4145	.2999	.2221
.020				.3045	.3563	.3779	.3622
.030			.3799				
.040		.1438					
.048			.2790				
.050	-.0259			.2311	.2692	.2801	.2227
.080				.1935			
.085			.2268				
.086		.2469					
.094	.0069			.1817	.2159	.1840	.0969
.150							
.163		.3199					
.177			.1798				
.229	.1400						
.246		.1607					
.250			.1786	.1647	.1398	.1140	-.0032
.274							
.352	.2331	.1772					
.390				.1356	.0457		-.1167
.400			.1744				
.402							
.497	.1737			-.0395	-.1449		
.550			.0228				-.3167
.555							
.600							
.650							
.700	.1304			-.4788			
.725					-.4972		
.750							
.760							
.775				-.3347			
.808				-.5361	-.5449		
.834				-.5491			
.850	-.3085						
.850				-.6041	-.6284	-.6520	
.857							
.865	-.4072						
.900	-.3571						
.905				-.3688			-.7231
.910				-.2732	-.1948		
.910							
.913				-.1416			.0000
.965				-.1634			
.965	-.2911						





TABULATED PRESSURE DATA - IAI4A - VOL. 3

(R01L31)

ARC11-716 IAI4 01+712+512+23+4110 LOWER WING

ALPHADIGIT = 7.940 BETAD (7) = 2.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.2987	-.2473	.2050	.4508	.3922	.2570	.1809
.020				.2837	.3056	.3325	.3234
.030			.3390				
.040		.0474					
.048			.2345				
.050	-.0504		.2077	.2264	.2443	.1929	
.060			.1737				
.085			.2019				
.086		.1794					
.094	-.0110						
.100		.2493		.1550	.1858	.1550	.0742
.163							
.177			.1532				
.229	.1120						
.246		.1575					
.250				.1342	.1127	.0868	-.0264
.274			.1402				
.362	.1024						
.390		.1565					
.400				.0970	.0210		-.1392
.422			.1262				
.497	.1594						
.550			-.0335	-.0710	-.1601		
.565							
.600							
.650							
.700	.0306						
.725				-.4717	-.4959		
.750							
.760			-.3807				
.775				-.3735	-.6015		
.800			-.5732				
.834	-.3877						
.850				-.6059	-.6537	-.6501	
.857			-.4501				
.865	-.4544						
.900	-.3981			-.3255			
.935			-.3395		-.1972		
.950				-.1555			
.965			-.1877				
.969	-.2777						

1704

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 3  
ARC11-716 IAI14 010112+512N25+AT10 LOWER WING

(RBL31)

ALPHA(110) = 0.013 BETA(10) = 4.000		DEPENDENT VARIABLE CF	
SECTION (1) LOWER WING			
V/W			
.2990	.3140	.4270	.5340 .6730 .7000 .8070
X/CW			
.000	-.3680	-.2562	.0716 .4376 .3843 .2207 .1432
.020			.2600 .2747 .2953 .2885
.030		.2482	
.040		-.0140	
.048		.2171	
.050	-.1027		.1879 .1940 .2164 .1671
.060			.1455
.085		.1842	
.085		.1236	
.094	-.0371		.1219 .1500 .1292 .0466
.100		.2067	
.163		.1455	
.177			
.229	.0034	.1533	
.246			.1011 .0800 .0660 -.0563
.250		.1261	
.274			
.352	.1739	.1349	
.390			.0549 -.0090 -.1668
.400		.0960	
.472			
.487	.1462		-.1098 -.1898
.550			
.555		-.0646	
.600			-.3792
.650			-.3968
.700	.0019		-.5210
.725			-.4376
.750			-.6094 -.5583
.760		-.3816	
.775		-.6749	-.5660
.808		-.5327	
.834	-.4114		
.850			-.4905 -.6686 -.6622
.857		-.4036	
.865	-.4480		
.900	-.3697		-.2968
.908			-.1767
.950		-.3062	-.1475
.955			-.0000
.958		-.1030	
.965	-.0616		



(R01L31)

ARC11-P16 1A14 01+Y12+S12+25+AT10 LOWER WING

$$\text{ALPHA} \Delta \Delta (10) = 0.092 \quad \text{BETA} \Delta \Delta (9) = 6.129$$

SECTION ( 11) LOWER WING		DEPENDENT VARIABLE CR					
1700	.2090	.3640	.4270	.5340	.6730	.7830	.8870
X/CW							
.000	-.4237	-.1872	-.0619	.3325	.3769	.2198	.1122
.020			.1790	.2220	.2445	.2458	.2445
.040		-.2564					
.060			.1775	.1365	.1627	.1800	.1318
.080	-.1723			.1228			
.100			.1692				
.120		.0855					
.140	-.0997			.1024	.1264	.1037	.0221
.160		.1791	.1408				
.180	.0606						
.200		.1313	.1162	.0792	.0515	.0398	-.0804
.220							
.240	.1495	.1217		.0251	-.0351		-.1845
.260			.0792				
.280	.1213			-.1301	-.2097		
.300			-.0832			-.4124	-.3914
.320							
.340	-.0235			-.3953			
.360			-.3771			-.3750	-.5518
.380				-.5844	-.6103		
.400			-.5037				
.420							
.440	-.4235		-.3833	-.4254	-.6287	-.6843	
.460							
.480	-.4431						-.7141
.500		-.3658	-.3884	-.5924	-.1526		
.520			-.3084	-.1754		.0900	
.540			-.2041				
.560	-.2693						

(RBL35)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A144 - VOL. 5  
ARC11-716 1A14 OR-T12+SIGNES+AT10 LOWER WING

ALPHA(10) = 7.909 BETA(10) = 0.129

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CF

Y/W .2995 .3640 .4275 .5340 .6730 .7805 .8870

Z/CW

.000	-.4156	-.1361	-.1343	.1959	.3422	.2364	.1304
.020			.1227	.2041	.2295	.2273	.2286
.030		-.0624					
.040			.1426	.1611	.1535	.1539	.1139
.050	-.1922			.1322			
.060			.1632				
.080		.0489					
.094	-.1276			.1079	.1066	.0611	.0033
.110		.1603					
.163			.1446				
.177							
.229	.0369						
.246		.1204		.0821	.0335	.0191	-.0980
.250			.1220				
.274							
.362	.1407						
.390		.1261		.0195	-.0591		-.1985
.400			.0822				
.432				-.1376	-.7200		
.487	.1230						
.510			-.0690				
.565							
.600							
.650							
.700	-.0605						
.725				-.3045	-.4557		
.750							
.760			-.3605				
.775				-.5063	-.5012		
.800			-.4869				
.834	-.4103						
.850				-.4074	-.5079	-.6192	
.857			-.3774				
.865							
.900	-.4386						
.920	-.3527			-.2020			-.6732
.935			-.3057		-.1416		
.950				-.1697			.0000
.955			-.2233				
.965	-.2435						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(431L31)

ARC11-716 1A14 01+112+512M25+AT10 LOWER WING

ALPHA(110) = 7.950 BETA(11) = 10.200

SECTION 1: LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2995	.3645	.4275	.5345	.6735	.7805	.8875
X/CM							
.020	-.3906	-.1910	-.1951	-.0971	.2864	.2270	.1415
.025			.0567	.1948	.2162	.2069	.1858
.030		-.1435					
.040			.1125				
.050	-.2475			.1938	.1494	.1267	.0732
.060			.1465	.1761			
.085		.0068					
.094	-.1448			.1225	.0946	.0595	-.0177
.150		.1465					
.165			.1386				
.177		.0134					
.229		.1048					
.246				.0906	.0217	-.0063	-.1183
.250			.1157				
.274		.1336					
.362		.1026					
.393				.0125	-.0734		-.2205
.422			.0648				
.497	.0993						
.550			-.1129	-.1485	-.2372		
.565							-.4285
.604					-.4181		
.650				-.3813			
.700	-.0818					-.6199	-.5890
.725							
.750			-.3744				
.765				-.5745	-.5708		
.775			-.4530				
.808							
.834	-.4130						
.850			-.3712	-.4066	-.3816	-.4743	
.857							
.865	-.4211						
.900	-.3421		-.2967				-.3816
.905			-.3284	-.1420			
.910			-.1773				.0000
.955			-.2426				
.965	-.2584						

(881L31)

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA(11) = 9.990 BETA( 1 ) = -9.930

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP				
Y/BW						
X/CW						
.000	-.9003	.0363	.4621	.6655	.5288	.3670
.020				.5723	.6447	.6441
.030			.5406			.5906
.040		.3491				
.048			.4249			
.050	.1154			.4387	.5204	.5150
.060				.3639		.4441
.085			.3616			
.088		.3999				
.094	.1064					
.110				.3168	.3911	.3658
.163		.4239				.2866
.177			.2918			
.229	.2397					
.246		.2498		.2749	.2876	.2605
.250			.2837			.1712
.274						
.352	.3326					
.390		.2827		.2254	.1639	.0533
.400			.2754			
.402						
.497	.2902			.0277	-.0287	
.550			.1298			-.1672
.565					-.2105	
.600						
.650					-.3633	
.700	.3447			-.4198		
.725						-.4024
.750						-.3812
.760			-.3072			
.775				-.4820	-.4300	
.808			-.4746			
.834						
.850	-.3189			-.6249	-.5807	-.5646
.857			-.5269			
.865	-.3873					
.900	-.3858					
.905				-.7347		-.6108
.950			-.4317	-.7108		
.953			-.3315			.0000
.965			-.1736			
	-.3209					

(R01L31)

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ARC11-716 IAL14 01+712+S12+25+AT10 LOWER WING

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ALPHA(11) = 10.010 BETA( 2) = -7.910

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

Y/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CU						
.000	-.0486	.0023	.4362	.6472	.9234	.3501
.020				.5353	.6186	.6189
.030			.5174			.5658
.040		.3196				
.048			.4016			
.050	.0926			.4084	.4948	.4931
.083			.3388	.3437		
.085						
.086		.3711				
.094	.0898			.2968	.3679	.3455
.150						.2688
.163		.4071				
.177			.2726			
.229	.2206					
.246		.2359		.2567	.2667	.2454
.250			.2638			.1480
.274						
.362	.3181					
.390		.2752		.2142	.1451	.0321
.400			.2647			
.492						
.497	.2734			.0306	-.0407	
.550			.1222			-.1847
.565						
.600						
.650						
.700	.3233			-.4061		
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.953						
.965						

-.6217

.9000

-.7224

-.2449

-.1577

-.5583

-.4985

-.2998

-.4167

-.3984

-.4435

-.2193

-.1847

(RBIL31)

ARC11-716 IA14 010712+512H25+AT10 LOWER WING

ALPHAO(11) = 9.920 BETA( 3) = -5.920

## DEPENDENT VARIABLE CP

## SECTION ( 1) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0995	-.0335	.4082	.6173	.5089	.3366	.2354
.020			.4871	.5844	.5056	.5391	
.030			.4839				
.040		.2886					
.048			.3769				
.050	.0615		.3721	.4579	.4650	.3987	
.060			.3100				
.085			.3132				
.086		.3466					
.094	.0693						
.150			.2750	.3409	.3210	.2436	
.163		.3083					
.177			.2573				
.229	.2033						
.246		.2158		.2366	.2429	.2258	.1242
.250			.2517				
.274							
.362	.3068	.2636		.1960	.1267	.0092	
.390							
.400			.2497				
.497	.2641			.0140	-.0584		
.550			.1104				
.565							
.600							
.650							
.700	.3026						
.725							
.750							
.760							
.775							
.808							
.834	-.3061						
.850							
.857							
.865	-.3710						
.900	-.3612						
.905							
.950							
.953							
.965	-.2987						





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(R81L31)

ARCI1-716 1A14 01+712+512H25+AT10 LOWER WING

ALPHA(11) = 9.940 BETA( 4 ) = -3.950

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7000
.8070		
.000	-.11470	.3724
.020		.6143
.040	-.0714	.4894
.060		.3191
.080		.2110
.100	.4536	.4411
.120		.5441
.140	.2489	.5580
.160		.5076
.180	.3508	
.200		.3340
.220		.4257
.240		.4390
.260		.3746
.280	.2907	.2793
.300	.3169	
.320	.0444	
.340		.2524
.360	.3682	.3134
.380		.2970
.400	.2348	.2209
.420	.1995	
.440	.2296	.2180
.460		.2197
.480	.2284	.2025
.500	.2371	.1049
.520		
.540	.1759	.1039
.560		
.580	.2284	
.600		-.0095
.620	.497	
.640	.2409	
.660		-.0021
.680		-.0805
.700	.0076	
.720		
.740		-.2207
.760		-.2515
.780		
.800		-.4224
.820		
.840		-.4303
.860		
.880		-.4541
.900		-.4428
.920		
.940		-.3291
.960		-.4570
.980		-.4841
.000		
.020		-.4652
.040		
.060		-.5957
.080		-.5913
.100		-.5908
.120		
.140		-.4432
.160		
.180		-.5895
.200		-.8577
.220		
.240		-.3153
.260		-.7276
.280		
.300		-.1950
.320		.0000
.340		
.360		-.1627
.380		
.400		-.2784

(RB1L31)

ARC11-716 1A14 01-T12-S12H25+AT10 LOWER WING

ALPHA(11) = 9.940 BETA( 5) = -1.960

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2032	-.1338	.3295	.5798	.4424	.2936	.1886	
.020				.4030	.4936	.5171	.4749	
.030		.1933						
.040			.3133					
.048				.2972	.3855	.4043	.3404	
.050	.0012			.2418				
.060			.2586					
.085		.2819						
.086								
.094	.0238			.2201	.2844	.2725	.1914	
.130		.3425						
.163			.2102					
.177								
.229	.1616							
.246		.1742						
.250			.2065	.1935	.1937	.1774	.0750	
.274								
.362	.2667		.2093		.1561	.0817	-.0317	
.390								
.400				.2021				
.402		.2124						
.497					-.0236	-.1046		
.550			.0580				-.2398	
.565					-.4403	-.2739		
.600								
.650		.2195			-.4445			
.700								
.725								
.750								
.760				-.3147				
.775					-.4788	-.4963		
.808				-.4653				
.834	-.2967							
.850					-.5965	-.5945	-.6143	
.857				-.3999				
.865	-.3387							
.900	-.3127							
.905				-.2896		-.6266	-.6738	
.950					-.1756		.0000	
.953				-.1708				
.965	-.2759							





(R01L31)

ARC11-716 1A14 01-012+S12H25+AT10 LOWER WING

ALPHA(11) = 9.960 BETA( 7) = 2.070

## SECTION ( 1) LOWER WING

## DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3640	-.3141	.1791	.4619	.4223	.2214	.1179
.020				.3147	.4006	.4211	.3965
.030			.3576				
.040		.0496					
.048			.2684				
.050	-.0712			.2319	.2914	.3261	.2786
.080				.1931			
.085			.2158				
.086		.1990					
.094	-.0137						
.150				.1682	.2148	.2105	.1351
.163		.2801					
.177			.1656				
.229	.1247						
.246		.1533					
.250				.1377	.1316	.1284	.0228
.274			.1514				
.362	.2093						
.390		.1530		.0973	.0288		-.0833
.400			.1285				
.402							
.437	.1601			-.0750	-.1533		
.550							
.563			-.0299				
.600							
.650							
.700	.0489						
.725				-.4293			
.750							
.760			-.3125				
.775				-.4975	-.4813		
.808			-.4820				
.834	-.2965						
.850				-.5493	-.6227	-.6260	
.857			-.3797				
.865	-.3267						
.900	-.3024			-.3938			
.905			-.3083				
.950				-.3127			
.953			-.1649				
.955			-.2074				
.965	-.2913						

1A14A





(R01L31)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 010712+512425+AT10 LOWER WING

ALPHA(11) = 9.900 BETA( 9 ) = 6.130

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/W	.2900	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.4884	-.2273	-.0939	.3557	.3542	.2395	.1053
.020				.2806	.3069	.3580	.3326
.030			.1944				
.040		-.0702					
.048			.2037				
.050	-.1737			.2018	.2189	.2503	.2155
.080				.1521			
.085			.2008				
.086		.0888					
.094	-.0700						
.100				.1176	.1615	.1494	.0912
.163		.2010					
.177			.1651				
.229	.0701						
.246		.1560					
.250				.0886	.0723	.0740	-.0206
.274			.1353				
.352	.1721						
.390		.1343		.0316	-.0248		-.1211
.400			.0907				
.402				-.1344	-.1967		
.497	.1405						
.550			-.0793				
.565						-.3163	
.600							
.650							
.700	-.0288						
.725				-.3863	-.4515		
.750						-.5340	-.5097
.760			-.3491				
.775				-.5986	-.5361		
.808			-.4872				
.834	-.4249						
.850				-.4661	-.6788	-.6492	
.857			-.4007				
.865	-.4534						
.900	-.3714			-.3477			-.6927
.905			-.3279		-.2387		
.950				-.1943		.0000	
.953			-.2264				
.965	-.2608						



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ARC11-716 1A14 01+T12+S12N23+AT10 LOWER WING

(881131)

ALPHA(111) = 10.030 BETA(111) = 0.170

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP			
X/CW	Y/8W	.2990	.3640	.4270	.5340 .6730 .7800 .8670
.000	-.4691	-.1897	-.2167	.1550	.3436 .2167 .1163
.020				.2725	.0853 .3234 .3201
.030			.1148		
.045		-.1312			
.048			.1598		
.050	-.2107			.2150	.1966 .2294 .1977
.080				.1695	
.085			.1878		
.086		.0374			
.094	-.1179				
.150				.1315	.1503 .1278 .0698
.165		.1768			
.177			.1647		
.229	.0459				
.245		.1463		.0918	.0539 .0476 -.0500
.250					
.274			.1313		
.362	.1637	.1289			
.390				.0233	-.0472
.400			.0785		-.1431
.402					
.497	.1333			-.1391	-.2124
.550			-.1008		
.565					-.3374
.650				-.3800	-.3891
.700	-.0642			-.4427	
.725					-.5452
.750					-.5275
.765			-.3633		
.775				-.5990	-.5645
.808			-.4902		
.834	-.4308				
.850				-.4273	-.5901
.857			-.3922		-.6787
.865	-.4513				
.900	-.5706			-.3123	
.925					-.7254
.935			-.3284	-.2021	
.950				-.1792	.0000
.955			-.2456		
.985	-.2656				

(RB1L31)

ARC11-716 1A14 01+712+512M25+AT10 LOWER WING

ALPHA(11) = 10.050 BETA(11) = 10.230

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4477	-.2014	-.2902	-.0164	.3338	.2245	.1300
.020				.2765	.2755	.2712	.2910
.030			.0837				
.040		-.1048					
.048			.1448				
.050	-.2743			.2295	.1889	.1930	.1662
.080				.1926			
.085			.1863				
.086		.0159					
.094	-.1359						
.150				.1387	.1204	.1048	.0439
.163		.1729					
.177			.1581				
.229	.0278						
.246		.1383					
.250			.1250	.0911	.0367	.0303	-.0713
.274							
.342	.1442						
.393		.1128					
.400			.0706	.0122	-.0573		-.1634
.402							
.497	.1141						
.550				-.1458	-.2508		
.565			-.1191				
.600						-.4519	-.3596
.650				-.3784	-.4608		
.700	-.0946					-.5713	-.5518
.725							
.750			-.3554	-.5952	-.6272		
.760							
.775			-.4640				
.808							
.834	-.4800			-.4290	-.5656	-.7207	
.850							
.857			-.3991				
.865							
.900	-.4436			-.3356			-.7401
.903	-.3619						
.905			-.3323	-.1769			
.950				-.2561		.0000	
.953			-.2495				
.965	-.2804						





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ARC11-716 1A14 OR+112+112N25+AT10 LOWER WING

(R01L32) ( 17 APR 74 )

PARAMETRIC DATA

MACH = 1.100 ELEVON = .000  
RUDDER = .000 SFCORR = .000

REFERENCE DATA

REF = 2.4210 SQ.FT. XMRP = 29.5000 INCHES  
LREF = 38.7000 INCHES YMRP = .0000 INCHES  
BREF = 38.7000 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA(1) = -10.240 BETA(1) = -9.900

SECTION ( 1 ) LOWER WING DEFICIENT VARIABLE CP

Y/OW .8990 .3640 .4270 .5340 .6730 .7800 .8070

X/CN

.000	-.0993	-.0344	.3777	.5137	.4293	.3419	.3715
.020			-.2170	-.7450	-.7652	-.7279	-.5420
.030							
.040			-.0307				
.048							
.050	-.2216		-.2010	-.7126	-.7756	-.7030	-.5200
.060				-.4936			
.065			-.1024				
.066			.0937				
.094	-.1724						
.100				-.1310	-.5204	-.6507	-.5211
.163			.1593				
.177							
.229	-.0671		-.0209				
.246			.0231				
.250				-.1362	-.3607	-.5299	-.5353
.274				-.0128			
.362	.1797		.0907				
.390				.2501	.1401		-.5343
.400							
.402			.1710				
.497	.1121						
.550				.1926	.0944		
.565			.2641				
.600							-.4793
.650						-.0265	
.700	.0010			-.2490	-.1910		
.725						-.2240	-.3927
.750				-.3652			
.760				-.4200	-.3436		
.775				-.5322			
.800							
.834	-.3829			-.6129	-.5937	-.3941	
.850							
.857				-.6190			
.864	-.4370						
.900	-.5314			-.7204			-.2707
.925				-.7055		-.6034	

TABLE 1. SUMMARY OF DATA - 1A14A - 42. S

(26-189)

01-16-79 0146 0101120912N290V10 L2828 W106

ALPHA(1) = -10.242      9E70(1) = -9.999

SECTION 110000 WING  
SEQUENT VARIABLE CP

	1960	1970	1980	1990
Population	1,640	1,870	3,340	5,330
Area (sq. miles)	1,640	1,870	3,340	5,330
Density (per sq. mile)	1.0	1.0	1.0	1.0
Total population	1,640	1,870	3,340	5,330
Urban population	1,640	1,870	3,340	5,330
Rural population	1,640	1,870	3,340	5,330
Male population	1,640	1,870	3,340	5,330
Female population	1,640	1,870	3,340	5,330
Age distribution	1,640	1,870	3,340	5,330
Economic activity	1,640	1,870	3,340	5,330
Education level	1,640	1,870	3,340	5,330
Healthcare access	1,640	1,870	3,340	5,330
Infrastructure development	1,640	1,870	3,340	5,330
Environmental impact	1,640	1,870	3,340	5,330
Social services	1,640	1,870	3,340	5,330
Cultural heritage	1,640	1,870	3,340	5,330
Political participation	1,640	1,870	3,340	5,330
Religious freedom	1,640	1,870	3,340	5,330
Labor rights	1,640	1,870	3,340	5,330
Gender equality	1,640	1,870	3,340	5,330
Disability inclusion	1,640	1,870	3,340	5,330
Language diversity	1,640	1,870	3,340	5,330
Media freedom	1,640	1,870	3,340	5,330
Internet usage	1,640	1,870	3,340	5,330
Mobile phone ownership	1,640	1,870	3,340	5,330
Electricity access	1,640	1,870	3,340	5,330
Piped water supply	1,640	1,870	3,340	5,330
Sanitation facilities	1,640	1,870	3,340	5,330
Housing conditions	1,640	1,870	3,340	5,330
Food security	1,640	1,870	3,340	5,330
Nutrition status	1,640	1,870	3,340	5,330
Mortality rates	1,640	1,870	3,340	5,330
Fertility rates	1,640	1,870	3,340	5,330
Life expectancy	1,640	1,870	3,340	5,330
Maternal mortality	1,640	1,870	3,340	5,330
Infant mortality	1,640	1,870	3,340	5,330
Vaccination coverage	1,640	1,870	3,340	5,330
Antibiotic resistance	1,640	1,870	3,340	5,330
Infectious diseases	1,640	1,870	3,340	5,330
Non-communicable diseases	1,640	1,870	3,340	5,330
Mental health issues	1,640	1,870	3,340	5,330
Substance abuse	1,640	1,870	3,340	5,330
Traffic accidents	1,640	1,870	3,340	5,330
Violence against women	1,640	1,870	3,340	5,330
Human trafficking	1,640	1,870	3,340	5,330
Child labor	1,640	1,870	3,340	5,330
Slavery practices	1,640	1,870	3,340	5,330
Forced displacement	1,640	1,870	3,340	5,330
Refugee camps	1,640	1,870	3,340	5,330
Internally displaced persons	1,640	1,870	3,340	5,330
Border crossings	1,640	1,870	3,340	5,330
Immigration policies	1,640	1,870	3,340	5,330
Asylum seekers	1,640	1,870	3,340	5,330
Detention facilities	1,640	1,870	3,340	5,330
Legal representation	1,640	1,870	3,340	5,330
Judicial independence	1,640	1,870	3,340	5,330
Corruption levels	1,640	1,870	3,340	5,330
Public administration	1,640	1,870	3,340	5,330
Budgetary transparency	1,640	1,870	3,340	5,330
Procurement processes	1,640	1,870	3,340	5,330
Asset management	1,640	1,870	3,340	5,330
Debt sustainability	1,640	1,870	3,340	5,330
Foreign aid dependence	1,640	1,870	3,340	5,330
Trade agreements	1,640	1,870	3,340	5,330
Export diversification	1,640	1,870	3,340	5,330
Import substitution	1,640	1,870	3,340	5,330
Industrialization efforts	1,640	1,870	3,340	5,330
Service sector growth	1,640	1,870	3,340	5,330
Informal economy size	1,640	1,870	3,340	5,330
Unemployment rate	1,640	1,870	3,340	5,330
Wage stagnation	1,640	1,870	3,340	5,330
Job creation initiatives	1,640	1,870	3,340	5,330
Entrepreneurship support	1,640	1,870	3,340	5,330
Small business loans	1,640	1,870	3,340	5,330
Microfinance programs	1,640	1,870	3,340	5,330
Financial literacy training				

44-38861-1000

953 - .5275

BETA C (2) 8 -7.09J

DEPENDENT VARIABLE C:

[illegible][illegible]

4117-

983	- .1946	- .7465	- .7749	- .7184	- .5484
986		- .2363			
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294	- .1737		
152		- .1971	- .5937
			- .6062
			- .5420

163	.1492	
177		-.3392

229	- .0636	
246		.0150
252		- .1640
253		- .4527
254		- .5710
255		- .5801

1639		- .0250
1638		
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	.0492	.1050	.1936	-.9914
.990				
.990				

.497		.1128	
.492			
.0936			
.497			

.592	.1394	.5776
.565	.2391	.5438

1950	1951	1952	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358
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.763	- .3792
.775	- .4753 - .3549

0.050	- .5265
0.071	- .3409
0.092	- .1553
0.113	0.0297
0.134	0.2043
0.155	0.3789
0.176	0.5535
0.197	0.7281
0.218	0.9027
0.239	1.0773
0.260	1.2519
0.281	1.4265
0.302	1.6011
0.323	1.7757
0.344	1.9503
0.365	2.1249
0.386	2.2995
0.407	2.4741
0.428	2.6487
0.449	2.8233
0.470	2.9979
0.491	3.1725
0.512	3.3471
0.533	3.5217
0.554	3.6963
0.575	3.8709
0.596	4.0455
0.617	4.2201
0.638	4.3947
0.659	4.5693
0.680	4.7439
0.701	4.9185
0.722	5.0931
0.743	5.2677
0.764	5.4423
0.785	5.6169
0.806	5.7915
0.827	5.9661
0.848	6.1407
0.869	6.3153
0.890	6.4899
0.911	6.6645
0.932	6.8391
0.953	7.0137
0.974	7.1883
0.995	7.3629
1.016	7.5375
1.037	7.7121
1.058	7.8867
1.079	8.0613
1.100	8.2359
1.121	8.4105
1.142	8.5851
1.163	8.7597
1.184	8.9343
1.205	9.1089
1.226	9.2835
1.247	9.4581
1.268	9.6327
1.289	9.8073
1.310	9.9819
1.331	10.1565
1.352	10.3311
1.373	10.5057
1.394	10.6803
1.415	10.8549
1.436	11.0295
1.457	11.2041
1.478	11.3787
1.499	11.5533
1.520	11.7279
1.541	11.9025
1.562	12.0771
1.583	12.2517
1.604	12.4263
1.625	12.6009
1.646	12.7755
1.667	12.9501
1.688	13.1247
1.709	13.2993
1.730	13.4739
1.751	13.6485
1.772	13.8231
1.793	13.9977
1.814	14.1723
1.835	14.3469
1.856	14.5215
1.877	14.6961
1.898	14.8707
1.919	15.0453
1.940	15.2199
1.961	15.3945
1.982	15.5691
2.003	15.7437
2.024	15.9183
2.045	16.0929
2.066	16.2675
2.087	16.4421
2.108	16.6167
2.129	16.7913
2.150	16.9659
2.171	17.1405
2.192	17.3151
2.213	17.4897
2.234	17.6643
2.255	17.8389
2.276	18.0135
2.297	18.1881
2.318	18.3627
2.339	18.5373
2.360	18.7119
2.381	18.8865
2.402	19.0611
2.423	19.2357
2.444	19.4103
2.465	19.5849
2.486	19.7595
2.507	19.9341
2.528	20.1087
2.549	20.2833
2.570	20.4579
2.591	20.6325
2.612	20.8071
2.633	20.9817
2.654	21.1563
2.675	21.3309
2.696	21.5055
2.717	21.6801
2.738	21.8547
2.759	22.0293
2.780	22.2039
2.801	22.3785
2.822	22.5531
2.843	22.7277

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(RBL32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - TAILA - VX. 5  
ARC11-716 TAILA 01+712+512+50ATED LOWER WING

ALPHA: (1) = -10.220 BETA: (2) = -7.890

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/C	Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
.037				-.6255				
.065		-.4379						
.090		-.5116		-.7575				-.2502
.095				-.7468		-.6987		
.090					-.4448		.9000	
.093				-.4265				
.065		-.5184						

ALPHA: (1) = -10.220 BETA: (3) = -5.900

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/C	Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
.090		-.1806	-.1269	.3161	.4363	.3251	.2214	.2432
.090				-.8171	-.7874	-.7374	-.5933	
.090			-.2048					
.040			-.0366					
.040				-.1827				
.090		-.2830			-.7658	-.7874	-.7298	-.5834
.090				-.1980	-.5280			
.086			.0690					
.094		-.2362						
.190					-.2375	-.6428	-.7215	-.5821
.163			.1383					
.177				-.0545				
.220		-.0123	.0943					
.246					-.1800	-.2817	-.6372	-.6299
.250								
.274				-.0347				
.362		.1476						
.390			.0283					
.429				.0694	.1396	.1315		-.6507
.497		.0779						
.530					.1250	.0568		
.565				.2098				
.600								-.5948
.610							-.0276	
.690		.3228			-.2383			
.725				-.3239				-.2425
.710								-.3975
.765				-.3887				

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L32)

ARC11-716 1A14 01+712+S12N25+AT10 LOWER WING

ALPHA(1) = -10.220 BETA(3) = -5.900

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.775 .808 .831 .850 .857 .865 .900 .905 .950 .953 .955

-.5106 -.5930 -.3716

-.3481 -.6841 -.5376 -.4182

-.6293

-.4440 -.6843 -.2624

-.4934 -.7510 -.6631

.900 .905 .950 .953 .955

-.4267 -.0900

-.4232

-.4799

ALPHA(1) = -10.230 BETA(4) = -3.930

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .020 .030 .040 .048 .050 .060 .065 .086 .094 .130 .163 .177 .229 .246 .250 .274 .362 .390 .400 .452 .497 .550 .565 .600 .650

-.1904 -.1568 .2023 .3967 .2757 .1632 .1745

-.030 -.030 -.040 -.048 -.050 -.060 -.065 -.086 -.094 -.130 -.163 -.177 -.229 -.246 -.250 -.274 -.362 -.390 -.400 -.452 -.497 -.550 -.565 -.600 -.650

-.2073 -.1760 -.7301 -.7743 -.7494 -.6110

-.0482 -.1039

-.2809 -.2230 -.6765 -.7484 -.5999

-.0152 -.0397

-.0245 -.0152

.1419 .0259

.0087

.0738

.1116 .1126

.1110 .0329

.1763

-.6717

-.6489

-.6346

-.0526



$$\text{ALFMAO}(1) = -10.233 \quad \text{BETAO}(4) = -3.933$$

SECTION ( ) LOWER WING

7/8W	2990	3560	.4270	.5340	.6730	.7800	.8870
x/CW							
.700	.2639			-.3906	-.2606		
.725							
.750							
.760			-.3723			-.2604	-.4395
.775				-.4765	-.3860		
.800			-.5012				
.834	-.3508						
.850				-.6480	-.5321	-.4395	
.857			-.6292				
.865	-.4539						
.900	-.4869			-.6856	-.5606		-.2776
.925			-.7390				
.950				-.3931		.0090	
.953			-.4342				
.965	-.4732						

$$\text{ALPHA}(1) = -19.239 \quad \text{BETA}(5) = -1.949$$

SECTION (1) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/Cu							
.000	-.2213	-.1361	.2405	.3434	.2084	.0900	.0967
.020				-.8592	-.7794	-.7663	-.6406
.030			-.2080				
.040		-.0474					
.048			-.1777				
.050	-.2864			-.8263	-.7885	-.7622	-.6320
.080				-.6402			
.085			-.1190				
.086		.0189					
.094	-.2815						
.150				-.2788	-.7249	-.7585	-.6219
.163		.0935					
.177			-.0933				
.229	-.0350						
.246		-.0394					
.250				-.2318	-.6569	-.7132	-.8766
.274			-.0718				
.362	.1108						
.390		-.0027					
.402			-.0035	.0194	.0349		-.7240
.497	.0647						

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(R81L32)

ARC11-716 1A14 01+T12+S12N25+AT110 LOWER WING

ALPHA( 1 ) = -10.230 BETA( 5 ) = -1.940

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.530				.0323	.0088
.565			.0978		
.600					-.6989
.650					-.0620
.700	.1781			-.2875	
.725				-.3853	
.750					-.2717
.760			-.3393		-.3037
.775				-.5433	-.4114
.808			-.5085		
.834					
.850	-.3430			-.7141	-.5719
.857			-.6297		-.4309
.858	-.4449				
.900	-.4425			-.7343	-.2737
.905			-.6945	-.3961	
.950				-.4401	.0000
.953			-.4112		
.965	-.3994				

ALPHA( 1 ) = -10.240 BETA( 6 ) = .030

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.000	-.2289	-.1242	.2162	.3009	.1474 .0266 .0290
.020				-.7752	-.7967
.030			-.1731		-.6389
.040		-.0059			
.048			-.1386		
.050	-.2712			-.7454	-.6038
.080				-.5827	
.085					
.086		.0291			
.094	-.2754				
.150				-.2235	-.7587
.163		.0849			-.7830
.177			-.1031		-.6360
.229	-.0368				
.246					
.250		-.0244			
.274				-.1817	-.6646
.362	.0925		-.0904		-.7817
					-.6972



(RBL32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 3  
ARC11-716 IAI4 01+112+512H25+AT10 LOWER WING

ALPHA(1) = -10.240 BETA(6) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.390	-.0175					
.400		-.0146	-.0502			-.7438
.402		-.0002				
.497	.0186					
.550		.0028	-.0165			
.565		.0155				
.600						
.650						-.1060
.700	.0971		-.3052			
.725		-.3501				
.750						-.3090
.760		-.3470				-.2337
.775		-.4874	-.4365			
.808		-.5178				
.834	-.3358					
.850		-.6546	-.5940	-.4759		
.857		-.6085				
.855	-.4325					
.900	-.4019	-.7397	-.3611			-.3394
.905		-.5647				
.950		-.3940				.0000
.955		-.3978				
.965	-.3770					

ALPHA(1) = -10.290 BETA(7) = 2.040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.000	-.1998	-.0509	.2204	.2629	.0969	-.0282
.025				-.8101	-.7757	-.7268
.030			-.0956			-.6561
.040		.0322				
.048		-.0834				
.050	-.2010			-.7909	-.7801	-.7225
.080				-.5489		-.6574
.085		-.0658				
.086		.0656				
.094	-.1723					
.150				-.2216	-.7817	-.7837
.165		.1029				-.6812
.177			-.0772			
.229	-.0275					

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(R81L32)

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

ALPHA( 1 ) = -10.250 BETA( 7 ) = 2.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.246	-.0021					
.250						
.274						
.362	.0001					
.390	-.0064					
.400						
.402						
.497	.0259					
.550						
.565						
.600						
.650						
.700	-.0164					
.725						
.750						
.760						
.775						
.808						
.834	-.3847					
.850						
.857						
.865	-.4062					
.900	-.3793					
.905						
.950						
.953						
.955	-.3901					

ALPHA( 1 ) = -10.260 BETA( 8 ) = 4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1869	-.0171	.1918	.2164	.0457	-.0764	-.0393
.020							
.030							
.040							
.048							
.050							
.085							
.088							
.094							







(R81L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

ARC11-716 IA14 01+712+512125+AT110 LOWER WING

ALPMAD(1) = -10.250 BETA(9) = 6.990

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7000	.8870
X/CM							
.080				-.4649			
.085			-.0825				
.086		.0182					
.094	-.1446						
.150			-.1727	-.8476	-.7888	-.6611	
.163		.0388					
.177			-.0762				
.229	-.0683						
.246		-.0386					
.250			-.1084	-.1228	-.0769	-.7698	
.274			-.0480				
.352	.0095						
.390		-.0194					
.400			-.0867	-.1596		-.8089	
.402			-.0318				
.497	-.0117			-.1815	-.2244		
.550			-.1439				
.565							
.600							
.630					-.2999		-.6986
.700	-.0961			-.4373			
.725			-.4356				
.750						-.4357	-.3468
.760			-.3816				
.775			-.5263	-.5295			
.808			-.4563				
.834	-.3858						
.850			-.5480	-.6324	-.5906		
.857			-.4254				
.865	-.3855						
.900	-.3788		-.4470				-.5003
.905			-.3948	-.3902			
.950			-.3172		.0000		
.953			-.3648				
.965	-.3842						



(R01L32)

ARC11-716 1A14 01+112+312429+AT10 LOWER WING

ALPHA(1) = -10.240 BETA(10) = 8.120

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/04 .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CM

.000	-.1899	-.0689	.1060	.1393	-.0631	-.1943	-.2220
.020				-.0927	-.6313	-.6196	-.6183
.030			-.1350				
.040		-.0147					
.048			-.1177				
.050	-.1777			-.7911	-.6838	-.6282	-.6282
.080				-.5940			
.085				-.0964			
.086		.0908					
.094	-.1751						
.150				-.1855	-.8474	-.7641	-.6676
.163		.0270					
.177			-.0751				
.229	-.0980						
.246		-.0520		-.1204	-.1784	-.8495	-.7619
.250							
.274			-.0459				
.362	-.0016						
.390		-.0270		-.1353	-.1700		-.8198
.400							
.402			-.0394				
.497	-.0394			-.2492	-.2568		
.550				-.1776			
.565						-.6996	
.600							
.650						-.3532	
.700	-.1473			-.5344	-.4751		
.725						-.4920	-.4226
.750							
.760			-.4682				
.775				-.6225	-.5699		
.800			-.5726				
.834	-.5084						
.850				-.7060	-.6551	-.6287	
.857				-.5555			
.865	-.5560						
.900	-.4887			-.4754			-.5308
.925			-.4697	-.5079			
.950				-.3462		.0000	
.958			-.3484				
.965	-.3838						

(R01L32)

ARC11-716 1A14 01-0120-S12N25-AT110 LOWER WING

ALPHA(1) = -13.255 BETA(11) = 19.110

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP		
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.2124	-.0934	.0776	.0995 -.0957 -.2370 -.2614
.020			-.7341 -.6702 -.3910 -.5856
.030		-.1309	
.040		-.0390	
.048		-.1143	
.050	-.2151		-.7316 -.6936 -.6032 -.6022
.060			-.4439
.085		-.0924	
.086		-.0130	
.094	-.2384		
.150			-.1224 -.0266 -.7712 -.6503
.163		.0143	
.177		-.0632	
.229	-.1116		
.246		-.0504	
.250			-.0981 -.1447 -.0525 -.7401
.274		-.0404	
.362	-.0179		
.390		-.0298	
.400			-.1051 -.1687 -.8082
.472		-.0481	
.497	-.0311		
.550		-.1960	
.563			-.2227 -.2657
.600			
.650			-.5536
.700	-.1679		
.725			-.4608
.750			
.760		-.4476	
.775			-.4967 -.4245
.808		-.5430	
.834	-.4953		
.850			-.6214 -.6439 -.6244
.857		-.5329	
.865	-.5327		
.900	-.4712		-.4299
.905			-.5421
.910		-.4618	
.912			-.3077
.933		-.2968	
.965	-.3788	-.3438	.0000



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI44 - VOL. 3  
ARC11-716 IAI4 OR-TIE-512N25+AT10 LOWER WING (R81L32)

ALPHA(2) = -8.190 BETA(1) = -9.970

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6700	.7600	.8870
X/CW							
.000	-.0968	-.0398	.4564	.5726	.4378	.4149	.4507
.020				-.7068	-.7427	-.8246	-.5773
.030				-.0703			
.040		.0570					
.048			-.0752				
.050	-.2145			-.8518	-.7404	-.7254	-.5373
.060				-.2641			
.065			-.0248				
.066		.1569					
.094	-.1767			-.0989	-.2602	-.5961	-.5092
.100		.2003					
.103			.0478				
.177							
.229	-.0876						
.246		.0624					
.250				-.1313	-.0287	-.3282	-.4557
.274			.0246				
.362	.1934						
.390		.0848					
.400			.2330	.2340	.1675		-.3071
.402							
.497	.1307			.2726	.1133		
.500			.2876				
.545							
.600							-.1188
.650					-.0613		
.700	.4278			-.1759			
.725				-.2615			
.750						-.2582	-.1659
.760			-.3502				
.775				-.4406	-.3293		
.808			-.5210				
.834	-.3411						
.850				-.8476	-.9559	-.4259	
.857			-.0069				
.865	-.4295						
.900	-.5261			-.7576			-.3710
.905			-.6535		-.6477		
.910				-.4426		.0000	
.915			-.4000				
.965	-.5166						

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 1732

ARC11-716 1A14 01+712+512M25+AT10 LOWER WING

(RBIL32)

ALPHA(2) = -0.200 BETA(2) = -7.960

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/W	.2000	.3640	.4270	.5340	.6750	.7800	.8870
K/CW							
.000	-.1310	-.0609	.4254	.5374	.4494	.3652	.3063
.020				-.6792	-.7640	-.8490	-.5987
.030				-.0726			
.040		.0171					
.048			-.0834				
.050	-.2304			-.6249	-.7614	-.7501	-.5790
.080				-.2605			
.085			-.0347				
.086		.1462					
.094	-.1014			-.0950	-.3071	-.6420	-.5434
.100		.1091					
.163			.0109				
.177	-.0961						
.229		.0490					
.246				-.1204	-.0772	-.3676	-.4945
.250			.0082				
.274		.1632					
.352			.0632				
.390				.2463	.1619		-.4320
.400			.2243				
.402		.1255		.1992	.1026		
.497			.2664				
.500							-.0801
.565							
.600							
.650					-.0735		
.700	.3991			-.1936			
.725			-.2479				
.750						-.2669	-.1651
.760		-.3635					
.775			-.4155	-.3301			
.808		-.5159					
.834	-.3412						
.850			-.6159	-.5147	-.4342		
.857		-.6109					
.865	-.4227						
.900	-.5046		-.7100				-.3020
.905		-.7205		-.6917			
.950			-.4075			.0000	
.953		-.4061					
.965	-.5201						



(881132)

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

ALPHA(1 2) = -0.210 BETA(1 3) = -5.960

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.920	-.1608	-.2071	.3928	.4965	.3975	.3135	.3406
.925				-.6984	-.7821	-.8714	-.6350
.930			-.0762				
.940		-.0548					
.948			-.0885				
.950	-.2590			-.6346	-.7716	-.7769	-.6175
.960				-.2752			
.985			-.0467				
.986		.1275					
.994	-.2323						
.100		.1775		-.1175	-.3599	-.6907	-.6029
.163							
.177		-.0912					
.229	-.0710						
.246		.0535		-.1433	-.1447	-.4394	-.5449
.250			-.0958				
.274	.1676	.0532					
.362				.2134	.1442		-.4974
.390			.1845				
.402				.1741	.0748		
.497	.1072	.2356					
.550							
.565							
.600							
.650							
.650	.3907			-.2165		-.0939	-.0277
.725			-.2706				
.750							
.765		-.3726					
.775			-.4288	-.3403			
.775		-.5947					
.808							
.834	-.3425						
.850				-.6292	-.5252	-.4463	
.857		-.6177					
.865	-.4334						
.920	-.4037			-.6994			-.4142
.925		-.7354			-.6778		
.930			-.3961				.9500
.933		-.3889					
.965	-.4895						

ARC11-716 1A14 01+712+512+25+AT10 LOWER WING

(881132)

ALPHA(2) = -0.220 BETA(4) = -1.900

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

X/CW	Y/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.2167	-.1223	.3237	.4130	.2990	.1947	.2172	
.020				-.7502	-.8031	-.7733	-.6210	
.030			-.0936					
.040		-.0582						
.045			-.0977					
.050	-.2697			-.6354	-.7935	-.7502	-.6123	
.060				-.3213				
.085			-.0711					
.096		.0982						
.094	-.2687							
.100				-.1607	-.5219	-.7044	-.6090	
.163		.1475						
.177		-.0459						
.229	-.0294	.0317						
.246				-.1661	-.3249	-.5869	-.6215	
.250			-.0304					
.274								
.362	.1313	.0256						
.393				.0976	.0811		-.5928	
.402		.0848						
.497	.0803			.0979	.0252			
.530			.1271					
.563								
.600								
.650								
.700	.2987				-.2649		-.1120	-.2330
.725				-.3136				
.750			-.3337				-.2939	-.1555
.750				-.4694	-.3831			
.775			-.4976					
.808								
.834	-.3405							
.850				-.6334	-.5528	-.4639		
.857			-.6212					
.865	-.4285							
.900	-.6464			-.5683			-.4082	
.905			-.7042		-.4495			
.930				-.3825			.0000	
.953			-.4038					
.965	-.6910							





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 CA+712+512M25+AT10 LOWER WING  
 (R01L32)

ALPHA (2) = -0.150 BETAD (3) = .010

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

7/8W	.8000	.8640	.9270	.9900	.0530	.0730	.0870	.0070
X/CW								
.000	-.2333	-.0682	.3002	.3690	.2300	.1304	.1470	
.025			-.0713	-.7227	-.0510	-.7645	-.6154	
.050		.0391						
.075			-.0667	-.6307	-.7984	-.7345	-.6203	
.100	-.2300			-.3097				
.125			-.0703					
.150		.0911						
.175	-.2387			-.1864	-.0902	-.7160	-.6193	
.200		.1320						
.225			-.0654					
.250	-.0223	.0901						
.275			-.0446	-.1373	-.2249	-.6354	-.6408	
.300	.1100	.0075						
.325			.0341	.0216	.0097		-.6393	
.350	.0402			.0452	.0110			
.375			.0423					
.400							-.2897	
.425						-.1150		
.450	.1074		-.3342	-.2794				
.475						-.3014	-.1393	
.500			-.3501					
.525			-.4020	-.4022				
.550			-.3110					
.575	-.3431			-.6340	-.3892	-.4822		
.600			-.3979					
.625	-.4196							
.650	-.3810		-.5427				-.4807	
.675			-.5632	-.3373				
.700			-.4013				.0000	
.725			-.3727					
.750	-.3835							

(R01L32)

ARC11-716 1A14 01-112-512N25-AT10 LOWER WING

ALPHA(2) = -0.190 BETA(6) = 2.040

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2278	-.0209	.2811	.3328	.1875	.0707	.0821
.020				-.6785	-.7650	-.7131	-.6004
.030			-.0215				
.040		.0611					
.048			-.0518				
.050	-.1969			-.5614	-.7669	-.7075	-.6022
.060				-.2609			
.085			-.0362				
.086		.0950					
.094	-.1552						
.150				-.1725	-.6177	-.7257	-.6286
.163		.1228					
.177			-.0380				
.229	-.0201						
.246		.0168					
.250				-.1029	-.0989	-.7183	-.6791
.274			-.0218				
.362	.0931						
.390		.0153					
.400				-.0282	-.0899		-.6973
.402		.0963					
.497	.0454						
.550				-.0392	-.0122		
.555			-.0672				
.600							-.1125
.650					-.1358		
.700	-.0031			-.3390	-.2961		
.725						-.3221	-.1509
.750							
.760		-.3544					
.775			-.5218		-.4828	-.4181	
.808							
.834	-.3502						
.850				-.6449	-.5794	-.4940	
.857		-.5055					
.865	-.3849						
.900	-.3589			-.6405			-.4497
.925					-.3342		
.950			-.4501				.0000
.955				-.3783			
.965	-.3620		-.3521				



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(881132)

ARC11-716 IAI4 01+112+312M25+AT10 LOWER WING

ALPHA( 2 ) = -0.240 BETA( 7 ) = 4.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

X/CW	Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2479	-.0136	.2163	.2901	.1339	.0198	.0241	
.020				-.6847	-.7319	-.6643	-.6221	
.030				-.0222				
.040			.0479					
.048				-.0418				
.050	-.1877			-.5309	-.7361	-.6633	-.6226	
.080				-.2343				
.085				-.0356				
.086			.0709					
.094	-.1475							
.150				-.1320	-.6552	-.7259	-.6137	
.163			.0832					
.177				-.0359				
.229	-.0320							
.246			.0015					
.290				-.0843	-.0957	-.7559	-.7024	
.274			-.0155					
.362	.0488		.0083					
.390				-.0591	-.1332		-.6879	
.400				-.0098				
.402				-.1505	-.0996			
.497	.0187			-.1235			-.2419	
.550								
.565								
.600								
.650								
.700	-.0603			-.4201	-.3483		-.1683	
.725							-.3363	-.1668
.750				-.4466				
.775				-.5347	-.4736			
.808				-.5678				
.834	-.4703							
.850				-.6349	-.6159	-.5323		
.857				-.5667				
.885	-.5378							
.900	-.4666			-.5225			-.4732	
.905				-.4725	-.3333			
.950				-.3337		.0000		
.953				-.3091				
.965	-.3620							

(RB1L32)

ARC11-716 1A14 01+712+512N25+AT10 LOWER WING

ALPHA( 2 ) = -0.220 BETA( 8 ) = 6.070

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2629	-.0284	.1461	.2616	.0860	-.0369	-.0384
.020				-.6692	-.6985	-.6318	-.5992
.030			-.0538				
.040		.0121					
.048			-.0588				
.050	-.1800			-.4668	-.6934	-.6334	-.6072
.080				-.2432			
.085			-.0505				
.086		.0333					
.094	-.1338			-.1282	-.6242	-.7103	-.6417
.150		.0492					
.163			-.0384				
.177							
.229	-.0624	-.0206					
.246				-.0658	-.1052	-.7414	-.6994
.250			-.0178				
.274	.0203						
.362		.0031		-.0646	-.1345		-.7077
.390			-.0139				
.400				-.1753	-.1975		
.402				-.1399			
.497	.0064					-.2565	-.2784
.550					-.4232		
.565				-.4466		-.4148	-.2222
.600							
.650	-.0871						
.700							
.725							
.750							
.760							
.775				-.4459			
.808				-.5375	-.5131		
.834	-.4928			-.5722			
.850							
.857				-.6309	-.6239	-.5694	
.865	-.5478						
.900	-.4921			-.4451			-.5130
.905				-.4379	-.5083		
.950				-.3984		.0000	
.955							
.965	-.3778			-.3211			



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

(RB1L32)

ALPHA(2) = -0.230 BETA(9) = 0.080

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CW			
.2990	.3640	.4270	.5340	.6730 .7800 .8870
.0000	-.2579	-.0518	.0993	.1736 .0394 -.0903 -.1002
.020				-.6307 -.6486 -.6065 -.5820
.030				-.0328
.040				-.0037
.048				-.0648
.050	-.1877			-.4405 -.6388 -.6114 -.5908
.080				-.2478
.085				-.0372
.086				.0199
.094	-.1847			
.150				
.163				.0377
.177				-.0342
.229	-.0920			
.246				-.1028 -.5737 -.6849 -.6244
.250				-.0231
.274				-.0650 -.1197 -.6798 -.6736
.362	.0082			-.0146
.390				.0006
.400				-.0733 -.1369 -.6751
.402				-.0151
.497	.0012			
.550				-.1926 -.2264
.565				-.1389
.600				
.650				-.3944
.700	-.1209			-.3169
.723				-.4469
.790				-.4618 -.3154
.780				-.4373
.775				-.5419 -.5347
.808				-.5800
.834	-.4892			
.850				-.6305 -.6320 -.5969
.857				-.5482
.865	-.5486			
.920	-.4780			-.4102 -.2950 -.5351
.925				-.4547
.950				-.2778 .0000
.953				-.3300
.965	-.3681			

DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI14A - VOL. 5

PAGE 1740

(R81L32)

ARC11-716 IAI14 OL+112+S12N25+AT10 LOWER WING

ALPHA( 2) = -8.240 BETA( 10) = 19.100

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	-.3640	.4270	.5340 .6730 .7800 .8870
.2709	-.0631	.0771	.1098 .0071 -.1225 -.1304
.020		-.6561	-.6113 -.5747 -.5626
.030		-.9332	
.040	-.0204		
.048		-.9490	
.050	-.2327	-.4032	-.6201 -.5783 -.4696
.080		-.2063	
.085		-.9405	
.086	.0075		
.094	-.2338		
.150		-.1067	-.4976 -.6552 -.6053
.163	.0354		
.177		-.9179	
.229	-.1015		
.246	-.0220		
.250		-.0778	-.1036 -.6448 -.6562
.274		-.0084	
.362	-.0011		
.390	-.0014		
.400		-.0997	-.1334 -.6500
.402		-.0204	
.497	-.0032		
.550		-.2293	-.2357
.565		-.1707	
.600			-.3835
.650			-.3392
.700	-.1425	-.4562	-.4327
.725			-.4766 -.3512
.750		-.4190	
.760		-.5869	-.5064
.775		-.5210	
.808			
.834	-.4737		
.850		-.6289	-.6230 -.5936
.857		-.5174	
.865	-.5556		
.900	-.4590	-.4509	-.5538
.905		-.4483	-.2831
.910		-.2991	.0000
.953		-.3237	
.965	-.3562		

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI44 - VOL. 3

(R01L32)

ARC11-710 IAI4 01-712-912N25-AT110 LOWER WING

ALPHA( 3) = -0.810 BETA( 1) = -10.020

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0813	-.0061	.3169	.3328	.5628	.4888	.5250
.020				-.5312	-.6431	-.6902	-.3350
.030			.0579				
.040		.1441					
.048			.0241				
.050	-.2033			-.3713	-.6264	-.5866	-.3205
.080				-.0646			
.085			.0490				
.086		.2194					
.094	-.1607			-.0400	-.1161	-.2926	-.3021
.150		.2493					
.165			.1123				
.177							
.229	-.1120						
.245		.1121		.1160	.1736	.0330	-.2537
.250			.0825				
.274							
.362	.2260	.1441					
.390				.3161	.2297		-.1259
.400			.3216				
.402							
.497	.1039		.3265				-.0375
.550						-.0334	
.565							
.600							
.650	.4885			-.2124		-.2430	-.2100
.720							
.725							
.750							
.760				-.3302			
.775							
.808				-.5140			
.834	-.3282						
.850							
.857				-.5917			
.865	-.4106						
.900	-.5199			-.7070			-.4196
.925				-.6066		-.6755	.0000
.950				-.4655			
.955							
.965	-.4864			-.3793			

(RBL132)

ARC11-716 IAL4 01+T12+312M23+AT10 LOWER WING

ALPHA(3) = -6.225 BETA(2) = -7.960

## SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2995	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1244	-.0295	.4851	.5945	.2156	.4456	.4731
.020				-.5460	-.6882	-.7303	-.3533
.050			.0497				
.080		.1496					
.110			.0130				
.140	-.2259			-.3884	-.6348	-.6202	-.3444
.170				-.1204			
.200		.1959	.0344				
.230							
.260	-.1840						
.290		.2320		-.0652	-.1749	-.3453	-.3492
.320			.0870				
.350	-.0726	.0904					
.380				.0356	.1419	-.0077	-.3073
.410	.2074	.1176	.0547				
.440				.2901	.2161		-.1677
.470			.2885				
.500	.1592			.2255	.1177		
.530			.2992				
.560							-.0204
.590					-.0737		
.620	.4334			-.1860			
.650				-.2316			
.680					-.2626	-.2236	
.710			-.0400				
.740				-.3949	-.3275		
.770			-.5054				
.800							
.830	-.3323						
.860				-.6055	-.5058	-.4421	
.890			-.5902				
.920							
.950	-.4154			-.7115			-.4397
.980	-.4972						
.990			-.7037	-.6860			
.995				-.4511		.0000	
.998			-.3885				
.999	-.5106						





ARC11-716 1A14 01+112+312425+AT10 LOWER WING

(801L32)

ALPHA(3) = -0.230 REYN(3) = -5.960

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2993	.3640	.4270	.5340	.6730 .7803 .8870
X/CW					
.000	-.1330	-.0484	.4475	.5532	.4659 .3025 .4157
.020				-.6048	-.7009 -.7694 -.4141
.030			.0351		
.040		.0771			
.048			.0018		
.050	-.2339			-.4146	-.6855 -.6592 -.3992
.060				-.1718	
.065			.0183		
.066		.1671			
.094	-.2282				
.130		.2134		-.1023	-.2253 -.3998 -.3981
.163			.0009		
.177					
.229	-.0204	.0705			
.246				-.0031	.0095 -.0935 -.3829
.250			.0316		
.274	.1877	.0929			
.362				.2459	.1922 -.2056
.390			.2514		
.400				.1863	.0984
.402			.2665		
.497	.1484				-.0151
.550				-.2152	
.565				-.2840	
.600					-.2891 -.2306
.650	.3931				
.700			-.3378		
.725			-.4947		
.750				-.4482	-.3452
.760					
.775					
.800					
.834	-.3346			-.6647	-.5263 -.4643
.850			-.6063		
.897					
.965	-.4188				
.970	-.4767		-.7343		-.4604
.975			-.7172	-.6602	
.980				-.4862	.0000
.983			-.3821		
.985	-.4800				





(881L32)

ARC11-716 IAI4 01-712+512N85+AT10 LOWER WING

ALPHA(1 3) = -6.120 BETA( 6) = 2.030

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2389	.0124	.3224	.3954	.2759	.1777	.1969
.020			-.5262	-.7833	-.7680	-.6091	
.030		.0541					
.040		.0796					
.048			.0032				
.050	-.2109		-.2315	-.7051	-.7451	-.5916	
.060			-.1951				
.065		.0073					
.086		.1152					
.094	-.1605						
.150			-.1271	-.2472	-.0294	-.5975	
.163		.1422					
.177		-.0014					
.229	-.0037						
.246		.0388					
.250			.0107				
.274				-.0528	-.1086	-.1963	-.5652
.362	.1014	.0416		.0112	-.0011		-.4034
.400			.0393				
.402	.0616			.0179	-.0070		
.497			-.0310				
.550							
.600							
.650							
.700	.0162			-.3375	-.2888	-.1547	-.0350
.725							
.750			-.3484				
.760			-.4707	-.4139			
.775			-.5174				
.800							
.834	-.3370			-.6420	-.5798	-.5972	
.850			-.5032				
.857							
.865	-.3764						
.900	-.3489			-.6608			-.5138
.935			-.4443	-.3360			
.950			-.4184				.0000
.955			-.3345				
.965	-.3509						



ARC11-716 1A14 01+Y12+312M23+AY10 LOWER WING

(R01L32)

ALMAZ ( 3 ) = -0.110 BEYAC ( 7 ) = 4.060

SECTION ( 11' LOWER WING		DEPENDENT VARIABLE CP				
T/BW	R/ROD	.3640	.4270	.4340	.4730	.7000
K/Cu						
.000	-.2071	.0270	.2461	.3647	.2235	.1174
.020				-.3211	-.7490	-.6744
.030			.0300			-.5660
.040		.0360				
.010			.2046			
.010	-.1056			-.2179	-.7132	-.6463
.362				-.1761		-.5666
.085			.2039			
.086		.0029				
.094	-.1360					
.150		.0972		-.1059	-.1637	-.6310
.163			.0013			-.6172
.177						
.229	-.0160					
.246		.0209				
.250			.0146	-.0442	-.1146	-.3105
.274						-.2912
.362	.0006					
.380		.0374				
.400				-.0272	-.0055	-.4575
.402			.0187			
.497	.0439					
.550				-.1104	-.0371	
.600			-.0026			
.650						-.0500
.700	-.0432			-.3409		-.1026
.725				-.3995		
.750			-.3993			-.3653
.763				-.5090	-.4557	-.2783
.775			-.5541			
.800						
.834	-.0809			-.6260	-.0056	-.9377
.850			-.5595			
.857						
.866	-.9141			-.5093		-.3267
.900	-.4401		-.4632	-.5093	-.3403	
.910				-.4477		.9000
.933		-.2996				
.965	-.3409					

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(R01L32)

ARC11-716 1A14 OR-T12+312U25+AT10 LOWER WING

ALPHA(3) = -6.199 BETA(3) = 6.080

SECTION 1 LOWER WING DEFICENT VARIABLE CF

Y/W	.2995	.3645	.4275	.5345	.6755	.7855	.8875
X/CW							
.025	-.3345	-.0120	.1624	.3176	.1729	.0559	.0732
.050				-.4967	-.7196	-.6202	-.5554
.075			.3215				
.100		.0512					
.125			-.0963				
.150	-.1080			-.2125	-.7175	-.6120	-.5629
.175				-.1664			
.200			-.0996				
.225		.0344					
.250	-.1183			-.0867	-.1107	-.6215	-.5958
.275		.0689					
.300			-.0912				
.325	-.0682	.0075		-.0371	-.1060	-.3369	-.5913
.350			.0598				
.375	.0370						
.400		.0304		-.0418	-.0926		-.4833
.425			.0108				
.450	.0368			-.1495	-.1615		
.475			-.1150				-.0074
.500					-.3989	-.2403	
.525	-.0725			-.4153			
.550			-.4215			-.4044	-.3104
.575			-.5621	-.5173	-.4889		
.600							
.625	-.4753			-.6163	-.6049	-.5601	
.650			-.5495				
.675							
.700	-.3867			-.4765			-.5513
.725	-.4074						
.750			-.4364	-.3851	-.3251		.0000
.775				-.4513			
.800			-.3566				
.825							
.850	-.3655						



ARC11-716 1A14 OR-T12-S12M29-AT10 LOWER WING

(RBL32)

ALPHA(DI B) = -6.192 BETA(DI B) = 0.090

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2993	.3640	.4275	.5340
Z/CW	.0000	.0000	.0000	.0000
.000	-.3409	-.0874	.1273	.2193
.020				.1440
.040				.0110
.060				.0242
.080				-.4629
.100				-.6047
.120				-.5897
.140				-.5469
.160				
.180				
.200				
.220				
.240				
.260				
.280				
.300				
.320				
.340				
.360				
.380				
.400				
.420				
.440				
.460				
.480				
.500				
.520				
.540				
.560				
.580				
.600				
.620				
.640				
.660				
.680				
.700				
.720				
.740				
.760				
.780				
.800				
.820				
.840				
.860				
.880				
.900				
.920				
.940				
.960				
.980				
1.000				

DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 5

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(RBIL32)

ARC11-716 IA14 Q1+T12+S12N25+AT19 LOWER WING

ALPHA( 3 ) = -0.170 BETA( 10 ) = 10.090

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CW			
.000	-.3672	-.0469	.0795	.1674
.020			.1155	-.0147
.030			-.4101	-.5675
.040		.0119		-.5320
.040		-.0072		
.048		-.0003		
.050	-.2253		-.1440	-.5915
.060			-.0966	-.5472
.065		-.0016		
.066		.0181		
.084	-.2270			
.150			-.0421	-.1066
.153		.0477		-.5822
.177		.0066		-.5803
.229	-.0896			
.246		-.0034		
.250			-.0246	-.0863
.274		.0117		-.1760
.362	.0124	.0163		-.5862
.390			-.0381	-.1169
.400		-.0060		-.4026
.402				
.437	.0129			
.550			-.1848	-.2195
.565		-.1561		
.600				-.2103
.650			-.3226	
.700	-.1370		-.3997	
.725		-.4065		-.4539
.750				-.3900
.760		-.4079		
.775		-.5322	-.4915	
.808		-.5213		
.834	-.4704		-.5608	-.5946
.850		-.5038		-.5678
.857				
.865	-.5316			
.900	-.4567		-.4111	-.5739
.905		-.4331	-.2565	
.920		-.3887		.0000
.933		-.3093		
.965	-.3318			





(R81L32)

47C11-716 1A14 01+Y12+S12H25+AT10 LOWER WING

ALPMAO( 4 ) = -4.249 BEYAO ( 1 ) = -10.010

2N1A BEMGT(1) NC11J3S

DEPENDENT VARIABLE CP

Y/BW	.2990	.3610	.4270	.5340	.6730	.7820	.8870
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(891L32)

ARC11-716 1A14 OL+T12+S12H23+AT10 LOWER WING

ALPHA( 4 ) = -4.270 BETA( 2 ) = -0.020

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP									
Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870			
X/CW										
.000	-.1210	.0030	.5198	.8430	.5751	.5167	.5688			
.020				-.2521	-.5132	-.3807	-.4371			
.030			.1593							
.040		.1725								
.048			.0939							
.050	-.2299			-.1232	-.4454	-.3450	-.3740			
.080				-.0568						
.085			.1016							
.086		.2206								
.094	-.1996			-.0007	.1256	.0179	-.0626			
.150			.2618							
.163			.1146							
.177	.0087									
.229		.1282		.2089	.1908	.1350	.0720			
.246										
.250			.1515							
.274	.2289	.1913		.3188	.2324		.0733			
.362			.3263							
.390				.2363	.1284					
.400			.3084				-.0793			
.402	.2012				-.0744					
.497				-.2273	-.1938					
.550						-.2774	-.2627			
.565										
.600										
.650										
.700	.4523									
.725										
.750										
.760			-.3434							
.775				-.3879	-.3291					
.808			-.5000							
.834	-.3304									
.850				-.6049	-.5127	-.4534				
.857			-.5984							
.865	-.4122									
.900	-.4925			-.6836			-.4772			
.905				-.6566	-.6341					
.950				.0000		.0000				
.955										
.965	-.5008			-.3625						



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ARC11-716 1A14 01+112+512R25+AT10 LOWER WING (R81L32)

ALPHA(4) = -4.290 BETA(3) = -5.970

## SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1542	-.0251	.4863	.6041	.5294	.4344	-.5171
.020				-.3097	-.5442	-.4687	-.4215
.030			.1524				
.040		.0796					
.048			.0797				
.050	-.2302			-.1641	-.4868	-.4258	-.3573
.080				-.0996			
.085			.0853				
.086		.1961					
.094	-.2279						
.150				-.0527	.0979	-.0852	-.1248
.163		.2460					
.177			.0996				
.229	-.0001						
.246		.1100					
.250				.1547	.1686	.1510	.0146
.274			.0958				
.362	.2094						
.390		.1503					
.400				.2041	.2107		.0433
.402			.2990				
.497	.1762			.2006	.1059		
.550							
.565			.2028				
.600							
.650							
.700	.4106						
.725				-.2723			
.750					-.2155		
.760							
.775							
.808							
.834	-.3240						
.850							
.857							
.865	-.4069						
.900	-.4644						
.905							
.910							
.933							
.965							

-1.0333

-.0979

-.2938

-.2892

-.3440

-.4895

-.6546

-.5276

-.4737

-.6001

-.6495

-.6096

-.0000

-.0000

-.3560

-.4914



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(R81L32)

ARC11-716 1A14 01+712+512025+AT10 LOWER WING

ALPHA(4) = -0.240 BETA(5) = -1.960

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP				
X/CW	Y/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
.000	-.1712	-.0341	.4221	.5213	.4293	.3456 .3650
.020				-.3755	-.6163	-.6320 -.2459
.030			.1193			
.040		.0623				
.048			.0449			
.050	-.2339			-.2210	-.5634	-.6150 -.2482
.080				-.1177		
.095			.0416			
.086		.1495				
.094	-.2775			-.0958	-.1963	-.2190 -.2500
.150		.2074				
.163			.0536			
.177	-.0264					
.229		.0670		-.0121	.1441	.1879 -.2205
.246			.0371			
.250						
.274		.0878		.2233	.1819	.0369
.362	.1600					
.390			.1983			
.400				.1532	.0716	
.402			.1932			
.497	.1276					-.0859
.550				-.2421		
.565						
.600				-.2975		
.650	.2630				-.1231	
.700						
.725						
.750						
.760						
.775						
.808						
.834	-.3200					
.850						
.857						
.865	-.4029					
.900	-.4224					
.905						
.950						
.953						
.965	-.3920					



(881032)

ARC11-716 1A14 01+T12+512+25+AT10 LOWER WING

ALPHA(4) = -4.290 BETA(4) = 2.020

SECTION 1: LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.000	-.2459	.0265	.3490	.4495	.3441	.2563	.2874
.020				-.2957	-.6472	-.6538	-.4621
.030			.1183				
.040		.0802					
.048			.0732				
.050	-.2255			-.1673	-.5350	-.6362	-.4580
.080				-.1149			
.085			.0525				
.086		.1365					
.094	-.1571						
.150		.1680		-.0728	-.1076	-.3538	-.4257
.163			.0374				
.177							
.229	.0029						
.246		.0690		-.0072	-.0401	.0707	-.2965
.250			.0479				
.274	.1172						
.362		.0692		.0627	.1032		.0755
.390							
.400							
.402			.0732				
.497	.0879			.0418	.0129		
.550			.0098				
.600							
.650						-.1597	-.1253
.700	.0327			-.2883			
.725				-.3310			
.750						-.3551	-.3257
.760		-.3405					
.775				-.4589	-.4148		
.808		-.5162					
.834	-.3290						
.850				-.6426	-.5835	-.5267	
.857			-.5087				
.865	-.3686						
.900	-.3484			-.6799			-.5373
.925			-.4478		-.3458		
.950			.0000			.0000	
.955			-.3289				
.965	-.3386						

(RBIL32)

ARC11-716 IAI4 01-112-512N25+AT10 LOWER WING

ALPHA(4) = -4.310 BETA(8) = 4.940

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
1/8W	.2990	.3640	.4270	.5340 .6750 .7800 .8870
X/CW				
.000	-.3387	.0021	.2634	.4244 .2966 .2081 .2418
.020				-.2972 -.6677 -.5931 -.4945
.030			.1012	
.040		.0630		
.046			.0596	
.050	-.2256		-.1342	-.5161 -.5750 -.4914
.060				-.1165
.085		.0440		
.086		.1097		
.094	-.1363			
.150			-.0552	-.0994 -.3389 -.4729
.163		.1210		
.177			.0389	
.229	-.0056			
.246		.0520		
.250			-.0019	-.0624 -.0494 -.3163
.274		.0456		
.352	.0780			
.390		.0034		
.400			.0120	-.0023 -.0011
.402		.0491		
.497	.0757		-.0659	-.0427
.550			-.0506	
.565				-.1463
.600				-.1930
.650			-.3264	
.700	-.0171		-.3068	-.3022 -.3421
.725				
.750			-.4952	-.4531
.760		-.3948		
.775		-.5439		
.808				
.834	-.4387		-.6259	-.6055 -.5520
.850		-.5613		
.857				
.845	-.5743		-.6282	-.5502
.900	-.4416		-.4555	-.3541 .0000
.905			-.0000	
.950			-.2887	
.953				
.965	-.3365			





(R81L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 31+112+512+25+AT10 LOWER WING

ALPHA(4) = -4.220 BETA( 9) = 0.060

DEPENDENT VARIABLE CP

SECTION ( 1) LOWER WING				
Y/W	.2990	.3640	.4270	.5340
X/CW				
.000	-.4285	-.0120	.1331	.2894
.020				.2410
.030			.0548	-.6172
.040		.0279		-.5405
.048			.0292	-.5339
.050	-.2233			-.0862
.060				-.0539
.065			.0280	
.086		.0508		
.094	-.1685			
.150		.0780		-.0107
.163			.0410	-.0660
.177				-.2771
.229	-.0454			-.4604
.245		.0284		
.250			.0402	.0104
.274				-.0500
.362	.0533			-.0635
.390		.0508		-.3305
.400				-.0928
.402			.0345	
.497	.0518			-.0146
.550				-.0665
.565			-.1135	-.1374
.600				-.1621
.650				
.700	-.0884			-.2277
.725				-.2830
.750				-.3963
.760			.4030	-.3997
.775				-.4391
.808			-.5348	-.4018
.834	-.4584			
.850				
.857			-.5091	-.5072
.865	-.3216			-.5787
.900	-.4335			-.5735
.905			-.4499	
.950			-.2890	-.2890
.953			-.4239	.0000
.955			-.2967	
.965	-.3405			

(081132)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A144 - VOL. 5  
ARC11-716 1A14 01+712+512N25+AT10 LOWER WING

ALPHA(4) = -4.210 BETA(10) = 10.100

DEFENDANT VARIABLE CP

SECTION 1 (LOWER WING)

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8070
X/CW							
.000	-.4271	-.0362	.0938	.1915	.2261	.0960	.1215
.020				-.1695	-.5504	-.5540	-.4943
.030			.0645				
.040		.0040					
.048			.0356				
.050	-.1955			-.0435	-.3052	-.5471	-.4943
.060				-.0237			
.085			.0302				
.086		.0340					
.094	-.1989			.0050	-.0502	-.2287	-.4808
.150							
.163		.0737					
.177			.0356				
.229	-.0706						
.246		.0239					
.250				.0060	-.0553	-.0806	-.3470
.274			.0352				
.352	.0346						
.390		.0379					
.400				-.0436	-.0831		-.1095
.402			.0132				
.497	.0343			-.1780	-.1931		
.550		-.1500					
.565							
.600							
.650							
.700	-.1312			-.4032	-.3709	-.3111	-.2491
.725							
.750			-.3997			-.4323	-.4185
.760				-.3232	-.4701		
.775			-.5130				
.808							
.834	-.4660			-.5663	-.5732	-.5577	
.850							
.857			-.4875				
.865	-.3245						
.900	-.4544			-.4115			-.5764
.925			-.4221	-.2384			
.950				.0003		.0000	
.955			-.3034				
.965	-.3467						



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAI4A - VOL. 5  
 ASC11-716 TAI4 01+112+512+25+AT10 LOWER WING

(881132)

ALPHA (1) = -2.920 BETA (1) = -10.000

SECTION 1: LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8670

X/CW

.000	-.0697	.0503	.5774	.7163	.6711	.6317	.6594
.020				-.0685	-.2416	-.2714	-.3404
.030		.2454					
.040							
.046			.1747				
.050	-.1007			-.0926	-.1097	-.1428	-.2276
.060				.0340			
.085			.1711				
.086		.2795					
.094	-.1753						
.150		.3164		.1495	.1799	.1401	.1050
.163							
.177			.1856				
.229	.0695						
.246		.1937		.2627	.2432	.1993	.1071
.250			.2504				
.274							
.362	.2752	.2762					
.390				.3592	.2649		.0991
.400							
.402				.2622	.1469		
.497	.2744		.3011				
.550							
.565			.3489				
.600							
.650							
.700	.3062						
.725				-.2110			
.750							
.760							
.775				-.3261			
.800							
.808							
.834	-.3402						
.850							
.857							
.865	-.4140						
.900	-.3237						
.905							
.950							
.955							
.965	-.4514						

- .4635

- .6879

.0000

.0000

(081132)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 3  
ARC11-716 IA14 01012+SIGN2+ATIO LOWER WING

ALPHA(1) = -2.930 BETA(1) = -0.000

SECTION (1) LOWER WING	DEPENDENT VARIABLE CF
Y.00	.2993 .3640 .4270 .5340 .6730 .7800 .8870
X/CW	
.000	-.1071 .0130 .5469 .6830 .6233 .5861 .6174
.020	.0330 .2335 .0986 -.3254 -.3145 -.3648
.040	.1928 .1556
.060	-.1976 -.0359 -.1735 -.1908 -.2597
.080	.0020
.100	.1500
.120	.2595
.140	-.1883
.160	.1500
.180	.2987
.200	.1612
.220	.1731
.240	.2337 .2192 .1792 .0899
.260	.2222
.280	.2546
.300	.2515
.320	.3567
.340	.3337 .2454 .0848
.360	.2409 .1281
.380	.3237
.400	-.0820
.420	-.2305
.440	-.2790
.460	-.3404
.480	-.3813
.500	-.5015
.520	-.0110
.540	-.3146
.560	-.4607
.580	-.5981
.600	-.6823
.620	-.6435
.640	-.6949
.660	-.0000
.680	-.3641
.700	-.5216





ARC11-716 1A14 01+712+S12N25+AT10 LOWER WING

$$\text{ALPHA}(5) = -2.910 \quad \text{BETA}(4) = -3.960$$

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

7/84	.2990	.3640	.4270	.5340	.6730	.7830
------	-------	-------	-------	-------	-------	-------

**MJ/X**

20	-.1221	-.0310	.4704	.8049	-.1523	-.4391	-.3595	-.4081
21			.1992					
22		.0693						
23			.1152					
24	-.2166			-.0804	-.3351	-.3132	-.3125	
25				-.0450				
26			.1111					
27		.1970						
28	-.2432			-.0123	.1361	.0682	.0039	
29		.2565						
30			.1101					
31	-.0071							
32		.1245		.1706	.1715	.1416	.0738	
33			.1106					
34	.2085	.1540		.2034	.2112		.0542	
35			.2037					
36	.1813			.2047	.1048			
37			.2681				-.1081	
38				-.2546	-.2230		-.3070	-.2955
39	.3696							
40			-.3520		-.4127	-.3517		
41			-.4907					
42								
43	-.3173			-.6236	-.5364	-.4831		
44			-.5986					
45								
46	-.4048			-.5555				-.5101
47	-.4323							
48			-.6933	.0000	-.5255		.0000	
49	.905		-.3692					
50								
51	-.4500							
52			.965					



ARC11-716 1A14 01+Y12+S12425+AT10 LEAFER WING

(981132)

$$\text{ALPHA}(S) = -2.915 \quad \text{BETA}(S) = -2.593$$

SECTION 1 - LOWER WING

DEPENDENT VARIABLE CP

Y/Y	23993	3649	4279	5349	6739	7899	8879
Y/Y	23993	3649	4279	5349	6739	7899	8879

4/2/82

.000	-.1411	-.0221	.4441	.5572	.4748	.3945	.4722
.020				-.1988	-.4874	-.4943	-.3916
.030			.1734				
.040		.0867					
.048			.0882				
.050	-.2093			-.1157	-.3795	-.4387	-.3175
.080				-.0685			
.095			.0838				
.086		.1749					
.094	-.2620						
.150		.2296		-.0427	.0218	.0620	-.0341
.163			.0810				
.177	-.0190						
.229		.0939					
.245				.1174	.1838	.1378	.0466
.250			.0679				
.274							
.362	.1790			.2464	.1908		.0445
.390		.1206					
.400			.2312				
.402				.1737	.0892		
.497	.1549		.2086				
.550							-.1147
.565							
.600							
.650	.2838			-.2736			
.700							
.725							
.750							
.760			-.3342				
.775				-.4268	-.3657		
.808			-.5018				
.834	-.3155						
.850							
.857			-.6131	-.6239	-.5476	-.4931	
.865	-.3957						
.900	-.4179						
.935			-.6916	-.5180	-.4275		-.5159
.950				.0000			.0000
.981		-.3668					
.985	-.3944						

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(981132)

ARC11-716 IA14 01+112+512N25+AT10 LOWER WING

ALPHAD( 5) = -2.910 BETAD ( 6) = .020

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.1882	-.0102	.4060	.5132	.4249	.3477	.4429	
.020				-.2069	-.5167	-.5627	-.3842	
.030			.1729					
.040			.1038					
.048			.0849					
.050	-.2102			-.1354	-.4049	-.5357	-.3369	
.080				-.0821				
.085			.0721					
.086			.1596					
.094	-.2458			-.0585	-.0903	.0559	-.0668	
.150			.2015					
.163				.0644				
.177								
.229	.9037		.0824					
.246				.0386	.1345	.1086	-.0108	
.250			.0549					
.274								
.362	.1570		.0976					
.390				.1895	.1604		.0150	
.400			.1616					
.402				.1263	.0603			
.497	.1192		.1311					
.550								
.565								
.600								
.650								
.700	.1634			-.2991	-.2601	-.1383		
.725								
.750								
.760				-.3323	-.4445	-.3846		
.775				-.5135				
.808								
.834	-.3160			-.6347	-.5666	-.5119		
.850				-.6115				
.857								
.865	-.3923			-.5927				
.900	-.3993							
.925				-.6476	-.3976			
.950				.0000				
.953				-.3592				
.965	-.3543							





DATE 11 JAN 72 TABULATED PRESSURE DATA - IAL4A - VOL. 5  
 ARCL1-715 IAL4 01+112+512R25+AT10 LOWER WING (R81L32)

ALPHA (°) = -2.910		BETA (°) = 2.050		DEPENDENT VARIABLE C <sub>p</sub>	
SECTION 1 (1) LOWER WING					
Y/BW					
	.2990	.3640	.4270	.5340	.5730 .7800 .8870
X/CM					
.000	-.2549	-.0115	.3676	.4922	.3903 .3104 .3557
.020				-.1944	-.5096 -.5389 -.3602
.030			.1926		
.040		.0855			
.048			.1137		
.050	-.2315		-.1342	-.3571	-.5142 -.3535
.080				-.0997	
.085			.0896		
.086		.1406			
.094	-.1666				
.150				-.0560	-.0546 -.0660 -.2267
.163		.1771			
.177			.0681		
.229	.0080				
.246		.0855		.0040	.0205 .1082 -.0136
.250			.0709		
.274	.1274	.0904			
.362				.0915	.1267 .0249
.390					
.400			.0943		
.402				.0339	.0136
.497	.1025		.0261		
.550					-.1482
.595					
.600				-.2066	
.650				-.3647	
.700	.0328				-.3550 -.3483
.725			-.3403		
.750				-.5006	-.4130
.775			-.5212		
.808					
.834	-.3246			-.6934	-.9864 -.5342
.850			-.5228		
.857					
.865	-.3758			-.7521	
.900	-.3341			-.4717	-.3618
.905				.0000	.0000
.950					
.955			-.5292		
.965	-.3404				

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ARC11-716 IA14 01+112+512N25+AT10 LOWER WING

(R01L32)

ALPHA( 5 ) = -2.920 BETA( 8 ) = 4.900

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3297	-.0112	.2713	.4659	.3462	.2687	.3030
.020				-.1981	-.5187	-.5195	-.4797
.030			.1374				
.040		.0641					
.048			.0879				
.050	-.2440			-.1332	-.3024	-.4923	-.4704
.060				-.0961			
.065			.0676				
.086		.1094					
.094	-.1487			-.0361	-.0537	-.1133	-.2676
.150			.1327				
.163							
.177			.0596				
.229	-.0009						
.246		.0721		.0052	-.0160	.0093	-.0086
.250							
.274			.0678				
.362	.0913						
.390		.0821					
.400				.0207	.0658		-.0107
.402			.0673				
.497	.0901			-.0614	-.0417		
.550			-.0376				-.1793
.600					-.1992		
.650				-.3985			
.700	-.0024			-.3328			
.725					-.3878	-.3729	
.750			-.3250				
.775			-.4767	-.5114	-.4501		
.808							
.834	-.3362						
.850				-.6268	-.6054	-.5610	
.857			-.4386				
.885	-.3619						-.5693
.900	-.3448			-.6077	-.5358		
.905			-.3903				
.950				.0000		.0000	
.953			-.3190				
.965	-.3448						



(R81L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 3  
ARC11-716 IAL14 01+112+S12H25+ATIO LOWER WING

ALPHA( 5) = -2.930 BETA( 9) = 6.070

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4149	.0023	.1838	.4157	.3102	.2288	.2575
.020				-.1426	-.5077	-.5966	-.5094
.030			.0979				
.040		.0443					
.048			.0603				
.050	-.2502			-.0737	-.2563	-.4789	-.5027
.060				-.0436			
.085			.0346				
.096		.0734					
.094	-.1535						
.150				.0026	-.0455	-.1100	-.2813
.163		.0972					
.177			.0385				
.229	-.0104						
.246		.0523		.0297	-.0206	-.0366	-.0753
.250			.0631				
.274	.0661						
.362		.0732		.0181	-.0175		-.0392
.390							
.400			.0556				
.402	.0677			-.0931	-.1061		
.497							
.550			-.0673				
.563							
.600							
.650							
.700	-.0274						
.725				-.3499		-.2371	
.750							
.760			-.3361				
.775				-.4587	-.4519		
.808			-.4443				
.834	-.3550						
.850				-.5533	-.5789	-.5702	
.857			-.4337				
.865	-.3742						
.900	-.3537						
.905			-.3974	-.4944	-.3244		-.5846
.950				.0000		.0000	
.953			-.3390				
.965	-.3620						

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5  
 ARC11-716 IA14 01+T12+S12N25+AT10 LOWER WING  
 (RB11.32)

ALPHA( 5) = -2.920 BETA( 10) = 8.110

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4840	-.0157	.1379	.3168	.2937	.2322	.2312
.020				-.1427	-.4763	-.4968	-.5239
.030			.0775				
.040		.0210					
.048			.0484				
.050	-.2503			-.0362	-.2116	-.4649	-.4950
.060				-.0078			
.085			.0458				
.085		.0499					
.094	-.1709			.0224	-.0328	-.0824	-.2565
.150			.0853				
.163							
.177			.0553				
.229	-.0390						
.246		.0396		.0333	-.0233	-.0369	-.1527
.250			.0590				
.274							
.362	.0617	.0644		.0020	-.0581		-.0950
.393							
.400			.0443				
.402							
.497	.0617			-.1274	-.1674		
.550							
.565							
.600							
.650							
.700	-.0779						
.725				-.3955			
.750							
.760							
.775							
.800							
.834	-.4823						
.850							
.857							
.865	-.3293						
.900	-.4324						
.905							
.950							
.953							
.965	-.3384						



(R01032)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A144 - VOL. 5  
 ARC11-716 1A14 01+112+512N25+110 LOWER WING

ALPHA(5) = -2.900 BETA(11) = 10.100

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP									
Y/B	.2390	.3640	.4270	.5340	.6730	.7800	.8870			
X/CM										
.000	-.4754	-.0353	.1027	.2071	.2841	.1653	.1932			
.020				-.0483	-.3392	-.5127	-.5115			
.030			.0799							
.040		-.0041								
.046			.0544							
.050	-.2514			.0102	-.1711	-.4346	-.5092			
.080				.0224						
.085			.0469							
.086		.0337								
.094	-.2128			.0343	-.0211	-.1023	-.2665			
.150		.0804								
.163			.0328							
.177										
.229	-.0621									
.246		.0292		.0281	-.0278	-.0443	-.1619			
.250			.0510							
.274										
.352	.0490	.0486		-.0239	-.0673		-.1209			
.393										
.400			.0260							
.472										
.497	.0481			-.1577	-.1930					
.537			-.1271							
.565						-.3080	-.2636			
.623					-.3645					
.657										
.700	-.1199			-.3877		-.4291	-.4347			
.725										
.753			-.4030							
.760				-.5394	-.4717					
.775										
.803			-.5203							
.834	-.4683									
.850				-.5519	-.5772	-.5680				
.857			-.4889							
.865	-.5299									
.900	-.4555									
.905										
.940			-.4212			-.2413	.0000			
.953				.0003						
.965	-.3418		-.2979							

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
 ARCL: -716 IAI4 01+712+512+5+AT10 LOWER WING  
 (981L32)

ALPHAD (6) = -.750 BETAD (1) = -10.040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/W							
.000	.0346	.0588	.6021	.7729	.7434	.7166	.7239
.020			.1372	.1535	.0788	.0480	
.030		.3549					
.040		.2842					
.048			.2787				
.050	.0311		.1603	.1355	.1118	.0814	
.060			.1716				
.065		.2584					
.066		.3284					
.094	-.1503			.2493	.2749	.2421	.1700
.150		.3768					
.165			.2669				
.177							
.229	.0822						
.245		.2615		.3237	.2974	.2570	.1459
.250			.3217				
.274							
.362	.3199			.3902	.2891		.1288
.390		.3411					
.400			.4210				
.402							
.497	.3276			.2752	.1979		
.550			.3667				
.565							
.600							
.650							
.700	.5311						
.725				-.1879			
.750							
.760							
.775							
.808							
.834	-.3424						
.850							
.857							
.865	-.4147						
.900	-.3245						
.905							
.950							
.953							
.965	-.4173						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 12144 - VOL. 5

(951-32)

ARC11-716 1214 01+712+312+25+AT10 LOWER WING

ALPHA 0.81 - .740 BETA 0.21 - .9.040

SECTION 1: LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

X/CW	.2000	.3640	.4270	.5340	.5730	.7000	.8870
.000	.0197	.0076	.5687	.7391	.7030	.6773	.6913
.020			.3476	.1143	.1135	.0536	.0237
.030		.2138					
.040			.2525				
.050	-.0943			.1320	.1014	.0890	.0607
.060			.2319	.1416			
.080		.2962					
.094	-.1784			.2191	.2543	.2263	.1576
.150		.3110					
.163			.2337				
.177							
.229	.0370						
.246		.2320					
.250			.2852	.2999	.2793	.2425	.1323
.274							
.352	.2935						
.390		.3049					
.400				.3705	.2772		.1129
.402			.3901				
.497	.2940			.2601	.1479		
.550			.3411				
.565							
.600							
.650							
.700	.4815						
.725							
.750							
.760							
.775							
.800							
.834	-.3416						
.850							
.857							
.877	-.4098						
.900	-.5093						
.905							
.950							
.953							
.965	-.4003						

(R81L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA( 6 ) = -.720 BETA( 3 ) = -3.990

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING  
Y/MW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0283	-.0335	-.0284	.7013	.6613	.6332	.5520
.020				.0863	.0606	.0073	-.0131
.030			.3244				
.040		.1162					
.048			.2269				
.050	-.1606			.0959	.0630	.0593	.0316
.060			.2066	.1109			
.095		.2549					
.096							
.094	-.2032						
.150		.3225		.1854	.2225	.2005	.1349
.163			.2748				
.177							
.229	.0111						
.246		.2036		.2736	.2562	.2226	.1099
.250			.2566				
.274							
.342	.2668						
.390		.2771		.3471	.2588		.0946
.400			.3628				
.402							
.497	.2637			.2627	.1902		
.550			.3174				
.563							
.600							
.693							
.700	.4980						
.725				-.2312	-.2134		
.750							
.760							
.775							
.800							
.834	-.3250						
.850							
.857							
.865							
.900	-.4090						
.905	-.4766						
.925							
.950							
.955							
.965	-.4862						





(R01L32)

DATE 11 JAN 73 TABULATED PRESSURE DATA IALFA - VOL. 3  
 AS 11-716 IALFA 25+112+512+512+5110 LOWER WING

ALPHA 0.61 = -.710 REYNOLDS = 3.940

SECTION 1 - LOWER WING		DEPENDENT VARIABLE CP	
Y/B			
.2000	.3640	.4270	.5340 .6730 .7800 .8870
Y/C			
.000	-.0780	-.0414	.4944 .6600 .6113 .5789 .6111
.020			.0252 -.0101 -.0457 -.0330
.030			.3006
.040		.0910	
.048		.2015	
.050	-.1546		.0415 .0050 .0317 .0054
.060			.0316
.065		.1796	
.066		.2282	
.094	-.2398		
.130			.1275 .1904 .1750 .1274
.180		.2905	
.177		.1708	
.229	.0012		
.246		.1782	
.250			.2261 .2333 .2020 .0931
.274		.2136	
.362	.2399		
.390		.2372	
.400			.3113 .2423 .0840
.432		.3260	
.487	.2392		.2130 .1183
.550		.2903	
.565			
.600			
.650			
.700	.4066		
.725			
.750			
.760			
.775			
.800			
.834	-.3196		
.850			
.897			
.885	-.4011		
.900	-.4568		
.935			
.957			
.953			
.965	-.4334		

(E31L32)

ARC11-716 1A14 01012+512+5+AT10 LOWER WING

ALPHA(6) = -.700 BETA( 5) = -2.010

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.1344	-.0350	.4691	.6104	.5507	.3230	.5736
.020				-.0119	-.1195	-.1125	-.1071
.030			.2750				
.040		.0995					
.048			.1743				
.050	-.1799			.0072	-.0832	-.0159	-.0207
.060			.1591	.0161			
.083							
.086		.2003					
.094	-.2432			.0801	.1537	.1478	.1056
.100		.2714					
.103			.1352				
.117	-.0103						
.146		.1455		.1915	.2014	.1817	.0767
.150			.1727				
.174							
.182	.2084	.1947		.2806	.2201		.0676
.190			.2804				
.197	.1904			.1907	.0996		
.199			.2426				-.1135
.200						-.1161	
.203	.3154			-.2719	-.2379		
.225						-.3140	-.2965
.250			-.3460				
.260				-.4316	-.3596		
.275			-.5043				
.290							
.304	-.3131			-.6424	-.5447	-.4969	
.350							
.357			-.6155				
.365	-.3800						-.5275
.400	-.4291			-.5095			
.405			-.6749		-.4619		
.450				.0000		.0000	
.453			-.3610				
.465	-.4800						



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L32)

ARC11-716 1A14 01-713+512H25+AT10 LOWER WING

DATE 11 JAN 75

ALPHA ( 5 ) = -.690 BETA ( 6 ) = .040

SECTION ( 1 ) LOWER WING DEFLECT VARIABLE CP

Y/8W .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CM

.000	-.1926	-.0420	.4142	.5620	.4943	.4724	.5270
.020				-.0483	-.1456	-.1668	-.1699
.030			.2583				
.040		.1026					
.048			.1582				
.050	-.1764			-.0362	-.1041	-.0563	-.0712
.060				-.0183			
.085			.1311				
.086		.1868					
.094	-.2128			.0305	.1158	.1162	.0625
.150		.2398					
.163			.1044				
.177							
.229	.0136			.1299	.1617	.1544	.0577
.246		.1204					
.250			.1098				
.274							
.362	.1808						
.390		.1394		.2001	.1874		.0458
.400			.2016				
.402							
.497	.1486						
.550				.1315	.0766		
.555			.1571				
.600							-.1303
.650				-.1326			
.700	.1864			-.2557			
.725				-.3209			
.750						-.3314	-.3183
.760			-.3432				
.775				-.4768	-.3785		
.808			-.5231				
.834	-.3091						
.850				-.6819	-.5815	-.5104	
.857			-.6226				
.865	-.3921						-.5391
.900	-.4095			-.5314			
.905			-.6757	-.4068			
.950				.0900			.0000
.955							
.955			-.3644				
.965	-.3686						

NOTED TO BE OF POOR QUALITY.

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IAI44 - VOL. 3  
 ARC11-716 IAI4 01+112+512N25+AT10 LOWER WING

(RBL32)

ALPHA(8) = -.880 BETA(7) = 2.030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2590	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2687	-.0642	.3587	.5430	.4607	.4136	.4707
.020				-.0917	-.1877	-.2473	-.2527
.030		.2542					
.040		.0719					
.048			.1687				
.050	-.8207			.0030	-.1456	-.1488	-.1376
.080				.0141			
.085			.1358				
.086		.1519					
.094	-.1785			.0368	.0704	.0532	.0191
.150		.2043					
.163			.1080				
.177							
.229	.0195						
.246		.1172		.0698	.1031	.1165	.0207
.250			.1122				
.274							
.362	.1433			.1448	.1393		.0217
.390		.1259					
.400			.1322				
.402							
.497	.1407			.0738	.0313		
.550			.0459				
.565							-.1546
.600					-.1807		
.650				-.3180			
.702	.0676						
.725					-.3565	-.3426	
.750							
.760			-.3398	-.4510	-.4078		
.775							
.808			-.5216				
.834	-.3164						
.890				-.6389	-.5863	-.5357	
.897			-.5291				
.885	-.3680						
.900	-.3516						
.905			-.7042				-.5633
.930			-.4848	-.3633			
.935			.0000			.0000	
.933			-.3248				
.965	-.3306						



(RB1L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5  
ARC11-716 IA14 01+112+512N25+AT10 LOWER WING

ALPHA (°) ±	- .710	BETA (°) ±	4.050	DEPENDENT VARIABLE CP	
SECTION (1) LOWER WING					
Y/BW	.2990	.3640	.4270	.5340	.6730 .7000 .8870
X/CW					
.000	-.3437	-.0837	.2538	.5256	.4207 .3717 .4195
.020				-.0361	-.1971 -.2679 -.2785
.030			.2045		
.040		.0379			
.048			.1546		
.050	-.2444			-.0259	-.1425 -.1654 -.1860
.060				-.0119	
.085			.1222		
.086		.1172			
.094	-.1648			.0191	.0397 .0142 -.0078
.150		.1591			
.163			.1037		
.177	.0119				
.229		.1066			
.246				.0578	.0494 .0938 -.0139
.250			.1083		
.274	.1067				
.362		.1159			
.390				.0621	.0895 -.0049
.400			.1032		
.402					
.497	.1113			-.0436	-.0225
.550					
.565			-.0113		
.600					-.1773
.650				-.1892	
.700	.0299			-.3256	
.725				-.4090	-.3805 -.3664
.750					
.760			-.3727	-.5208	-.4478
.775			-.5470		
.808					
.834	-.4232			-.6700	-.6061 -.5563
.850			-.5620		
.857					
.865	-.4891				
.900	-.4346			-.7107	-.3561
.905			-.4585	.0000	.0000
.950					
.953			-.2774		
.955	-.3236				

ORIGINAL PAGE IS  
OF POOR QUALITY

(R81L32)

DATE: 1 JAN 78  
TABULATED PRESSURE DATA - IAL4A - VOL. 5

ABC11-716 YAJ4 01+Y12+S12N23+AT10 LOWER WING

$\text{CVMA}(1, 6) = -0.729$        $\text{CVIA}(1, 9) = 6.989$

DEPENDENT VARIABLE CP

1/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
x/CW							
.000	-.4440	-.0370	.1020	.4827	.3936	.3277	.3750
.020				-.0263	-.1997	-.2892	-.3316
.030				.1479			
.040		.0107					
.048				.1094			
.050	-.2677			.0096	-.1217	-.1043	-.2322
.080				.0269			
.095			.1014				
.086		.0871					
.094	-.1697			.0632	.0295	-.0121	-.0157
.150							
.163		.1237					
.177			.1006				
.223	-.0012						
.246		.0874			.0320	.0570	-.0376
.250							
.274			.1040				
.362	.0911						
.390		.1070					
.403			.0916	.0568	.0382		-.0379
.432							
.497	.0909						
.550				-.0648	-.0881		
.563			-.0377				-.2087
.600							
.650					-.3617	-.2296	
.700	-.0113			-.3631			
.725						-.4123	-.3963
.750			-.3830				
.760				-.4676	-.4560		
.775			-.5298				
.808							
.834	-.4393						
.850			-.5472	-.3801	-.5894	-.5730	
.857							
.865	-.5120			-.5449			-.5966
.900	-.4403		-.4319	-.3424			
.925				.0000		.0000	
.950			-.2667				
.953	-.3103						

(581032)

TABULATED PRESSURE DATA - IAI4A - VOL. 5

ARC11-716 IAI4 01+T12+S12R25+ATIO LOWER WING

ALPHAD (6) = -.733 BETAD (10) = 9.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.5576	-.0248	.1279	.2855	.3743	.3109	.3413
.020				.0211	-.1959	-.2655	-.3793
.030			.1113				
.040		.0130					
.048			.0844				
.050	-.3020			.0571	-.0854	-.11575	-.2771
.080				.0624			
.095			.0831				
.096		.0538					
.094	-.1825			.0724	.0358	-.0209	-.0724
.150		.1057					
.163			.0896				
.177							
.229	-.0299	.0677		.0727	.0242	.0009	-.0908
.246			.0970				
.250							
.274		.0787	.0978	.0372	-.0227		-.0825
.362							
.390			.0793				
.400							
.402		.0793		-.0961	-.1442		-.2397
.497			-.0691			-.2733	
.550							
.565							
.600							
.650							
.700	-.0524			-.3760			
.725							
.750							
.760			-.3889				
.775				-.4672	-.4511		
.808			-.5264				
.834	-.4518						
.850				-.5703	-.5642	-.5683	
.857			-.5057				
.865	-.5224						
.900	-.4461			-.4691	-.2944		-.6083
.935			-.4209				
.950				.0000			.0000
.953			-.2849				
.965	-.3188						

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OF POOR QUALITY

DATE 11 JAN 75

ARC11-716 1A14 Q1+Y12+S12N25+AT10 LOWER WING

ALFMAO( 6) = -.749 BEYAO( 11) = 10.169

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP					
X/Y/W	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.5527	-.0537	.0834	.2046	.3100	.2873	.2901
.020				.0540	-.1120	-.2815	-.3972
.030				.0930			
.040		-.0384					
.048			.0740				
.050	-.3073			.0666	-.0212	-.1326	-.3140
.090			.0706	.0734			
.095							
.085		.0213					
.094	-.2024						
.150							
.163			.0897	.0726	.0433	-.0259	-.1084
.177			.0760				
.229	-.0504						
.246		.0537		.0618	.0182	-.0228	-.1108
.250			.0780				
.274							
.362	.0664						
.390		.0846		.0060	-.0445		-.1002
.400			.0498				
.402							
.497	.0826			-.1331	-.1721		
.550			-.0963				-.2584
.565						-.2923	
.600							
.650							
.700	-.0837			-.3773	-.3348		-.4324
.725			-.4003				
.750							
.760				-.4864	-.4583		
.775			-.5080				
.808							
.834	-.4548						
.850				-.5319	-.5641	-.5591	
.837			-.4879				
.865	-.5277						-.5912
.900	-.4488			-.3946	-.2244		
.908			-.4248				
.950				.0000		.0000	
.953			-.2848				
.965	-.3234						



(RBL32)

## TABULATED PRESSURE DATA - IAL14 - VOL. 5

ARC11-716 IAL14 01+112+512H25+AT10 LOWER WING

DATE 11 JAN 75

ALPHA (°) = 2.030 BETA (°) = -10.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2390	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	.0629	.0628	.5946	.7844	.7697	.7367	.7223
.020				.3725	.4205	.3796	.3548
.030			.4872				
.040		.2841					
.048			.3918				
.050		.0413		.3351	.3437	.3184	.2852
.080				.3193			
.085			.3593				
.086		.3653					
.094	-.1314						
.150		.4467		.3488	.3709	.3413	.2707
.163			.3521				
.177							
.229	.1285						
.246		.3344		.3913	.3603	.3199	.2174
.250			.3966				
.274				.4261	.3246		.1582
.352	.3934	.3998					
.370			.4578				
.400				.2927	.1746		
.402	.3838		.3820				
.497							
.550							
.565							
.600							
.650							
.700	.9542						
.725				-.1917	-.1762		
.750							
.760							
.775							
.800							
.834	-.3386						
.850							
.857							
.865	-.4088						
.900	-.5244						
.903							
.950							
.953							
.965	-.3936						

-1.4632

.0000

-.3493

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(001L32)

ARC11-716 1A14 01+12+312H25+AT10 LOWER WING

ALPHA( 7 ) = 2.000 BETA( 2 ) = -0.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE C<sub>F</sub>

Y/BW	.2990	.3640	.4270	.5340	.5730	.7000	.8870
Y/CW	.0197	-.0174	.5605	.7573	.7366	.7052	.6905
.020			.4555	.3405	.3916	.3544	.3505
.030		.2298					
.040			.3546				
.050	.0143		.3027	.3106	.3063	.2744	
.060			.2888				
.085			.3312				
.086		.3259					
.094	-.1333			.3220	.3528	.3301	.2582
.150		.4262					
.163			.3217				
.177							
.229	.0761						
.246		.3049		.3685	.3466	.3088	.2076
.250			.3595				
.274							
.352	.3710			.4104	.3137		.1465
.390		.3714					
.400			.4372				
.432				.2831	.1672		
.497	.3538		.3687				
.550							
.565							
.600							
.650							
.700	.5279			-.1997	-.1801	-.0514	-.0419
.725							
.750							
.760				-.3232			
.775				-.3593	-.3035		
.808				-.4892			
.834	-.3365						
.850				-.5863	-.4939	-.4418	
.857				-.5991			
.865	-.4004						
.900	-.5110			-.6920	-.6846		-.4742
.905				-.5567			
.950				.0000			.0000
.955				-.3415			
.965	-.4312						



AR011-716 TAT14 03+752+512N23+AT10 LOWER WING (RB1L32)

ALPHA(7) = 2.000 BETA(7) = -5.990

SECTION 1 LOWER WING		DEPENDENT VARIABLE CP	
Y/BW			
X/CW			
.000	-.0070	-.0466	.5264
.020			.7307
.030			.7047
.040			.6743
.050			.6594
.060			.3031
.070			.3509
.080			.3334
.090			.3261
.100			
.110			
.120			
.130			
.140			
.150			
.160			
.170			
.180			
.190			
.200			
.210			
.220			
.230			
.240			
.250			
.260			
.270			
.280			
.290			
.300			
.310			
.320			
.330			
.340			
.350			
.360			
.370			
.380			
.390			
.400			
.410			
.420			
.430			
.440			
.450			
.460			
.470			
.480			
.490			
.500			
.510			
.520			
.530			
.540			
.550			
.560			
.570			
.580			
.590			
.600			
.610			
.620			
.630			
.640			
.650			
.660			
.670			
.680			
.690			
.700			
.710			
.720			
.730			
.740			
.750			
.760			
.770			
.780			
.790			
.800			
.810			
.820			
.830			
.840			
.850			
.860			
.870			
.880			
.890			
.900			
.910			
.920			
.930			
.940			
.950			
.960			
.970			
.980			
.990			
1.000			

ARC11-716 IAI14 010124512N25411D LOWER WING (R81L32)

ALPHA (°) = 1.940 BETAD (°) = -4.910

SECTION 1 LOWER WING		DEPENDENT VARIABLE CP	
Y/BW			
Y/CW			
.000	-.0610	-.0656	.4942
.020		.7010	.6657
.030		.2481	.2834
.040		.4107	.2657
.048		.1261	
.050	-.0504	.3980	.2156
.060			.2172
.064		.2695	.2241
.065			.2027
.066		.2606	
.068	-.1926		
.070		.3696	.2416
.074			.2926
.077		.2487	.2697
.078			.2031
.079	.0316		
.080		.2413	
.082			.2957
.084		.2831	.2890
.086			.2582
.088	.3120		.1634
.090		.2938	
.092			.3535
.094		.3652	.2677
.097	.2835		.1925
.099			
.100		.2401	.1908
.102		.3113	
.104			-.0845
.106			-.0909
.108			
.110	.4330		
.112		-.2210	
.114		-.2334	
.116			-.2920
.118		-.3467	-.2720
.120		-.3920	
.122		-.4952	
.124			
.126		-.6117	-.5266
.128	-.3114		-.4753
.130		-.5993	
.132			
.134	-.3936		
.136	-.4552		
.138		-.4916	-.5091
.140		-.6014	
.142		-.6163	
.144		.9000	.9000
.146		-.5514	
.148	-.4853		



(R01L32)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 D1+112+512+25+AT10 LOWER WING

ALPHA (DEG) = 1.950 BETA (DEG) = -2.000

DEPENDENT VARIABLE: CF

SECTION (1) LOWER WING

Y/94	.2990	.3640	.4270	.5340	.6750	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

X/CM

.000	-.1263	-.0924	.4490	.6459	.6167	.5985	.5934
.020				.1751	.2237	.2019	.2183
.050			.3734				
.080		.1083					
.100			.2694				
.120	-.1146			.1466	.1621	.1863	.1740
.150				.1360			
.180			.2307				
.200		.2348					
.250	-.2130						
.300		.3320		.1724	.2435	.2365	.1750
.350			.2040				
.400	.0111	.1975		.2360	.2348	.2380	.1422
.450			.2332				
.500	.2702	.2485		.3000	.2417		.0852
.550			.3100				
.600	.2365			.1913	.1103		
.650			.2586				-.1010
.700	.3486			-.2901	-.2375	-.1064	
.750							
.800							
.850							
.900							
.950							
.965							

Y/94	.2990	.3640	.4270	.5340	.6750	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

X/CM	.000	.020	.050	.080	.100	.120	.150	.180	.200	.250	.300	.350	.400	.450	.500	.550	.600	.650	.700	.750	.800	.850	.900	.950	.965
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

CF	-.1263	-.0924	.4490	.6459	.6167	.5985	.5934	.1751	.2237	.2019	.2183	.3734	.2694	.1466	.1621	.1863	.1740	.1360	.2307	.2348	.3320	.2040	.2332	.3100	.2586	-.2901	-.2375	-.1064	-.3070	-.2050	-.3641	-.4549	-.3317	-.5082	-.6774	-.5402	-.4900	-.6099	-.4910	-.4017	.0000	-.3127	-.4197
----	--------	--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-------	--------	--------

CF	-.1263	-.0924	.4490	.6459	.6167	.5985	.5934	.1751	.2237	.2019	.2183	.3734	.2694	.1466	.1621	.1863	.1740	.1360	.2307	.2348	.3320	.2040	.2332	.3100	.2586	-.2901	-.2375	-.1064	-.3070	-.2050	-.3641	-.4549	-.3317	-.5082	-.6774	-.5402	-.4900	-.6099	-.4910	-.4017	.0000	-.3127	-.4197
----	--------	--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-------	--------	--------

CF	-.1263	-.0924	.4490	.6459	.6167	.5985	.5934	.1751	.2237	.2019	.2183	.3734	.2694	.1466	.1621	.1863	.1740	.1360	.2307	.2348	.3320	.2040	.2332	.3100	.2586	-.2901	-.2375	-.1064	-.3070	-.2050	-.3641	-.4549	-.3317	-.5082	-.6774	-.5402	-.4900	-.6099	-.4910	-.4017	.0000	-.3127	-.4197
----	--------	--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-------	--------	--------

CF	-.1263	-.0924	.4490	.6459	.6167	.5985	.5934	.1751	.2237	.2019	.2183	.3734	.2694	.1466	.1621	.1863	.1740	.1360	.2307	.2348	.3320	.2040	.2332	.3100	.2586	-.2901	-.2375	-.1064	-.3070	-.2050	-.3641	-.4549	-.3317	-.5082	-.6774	-.5402	-.4900	-.6099	-.4910	-.4017	.0000	-.3127	-.4197
----	--------	--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-------	--------	--------

CF	-.1263	-.0924	.4490	.6459	.6167	.5985	.5934	.1751	.2237	.2019	.2183	.3734	.2694	.1466	.1621	.1863	.1740	.1360	.2307	.2348	.3320	.2040	.2332	.3100	.2586	-.2901	-.2375	-.1064	-.3070	-.2050	-.3641	-.4549	-.3317	-.5082	-.6774	-.5402	-.4900	-.6099	-.4910	-.4017	.0000	-.3127	-.4197
----	--------	--------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	--------	-------	--------	--------

(R01L32)

ARC11-716 IAI4 51+712+512R25+AT10 LOWER WING

ALPHA (°) = 1.950 BETAD (°) = .040

SECTION (1) LOWER WING	DEPENDENT VARIABLE C <sub>p</sub>				
Y/B	.2990	.3640	.4270	.5340	.5730 .7800 .8970
Z/CW					
.000	-.2107	-.1235	.4017	.5935	.5671 .5444 .5630
.020				.1711	.1947 .1515 .1707
.050			.3405		
.080		.0776			
.100			.2444		
.150	-.1664			.1360	.1221 .1459 .1340
.200				.1141	
.250			.1		
.300		.2032			
.350	-.1458			.1500	.2001 .2021 .1448
.400		.2922			
.450			.1618		
.500	.0351				
.550		.1620		.1935	.2140 .2050 .1139
.600			.1798		
.650	.2281				
.700		.1862		.2403	.2065 .0631
.750			.2310		
.800	.1885			.1595	.0431
.850			.1706		
.900					-.1228
.950				-.1207	
1.000	.2042			-.2593	
1.050			-.2810		
1.100					-.3291 -.3049
1.150		-.3561			
1.200			-.4315	-.3749	
1.250		-.5302			
1.300					
1.350			-.6276		
1.400	-.3341			-.6336	-.5598 -.5121
1.450					
1.500					
1.550	-.3891				
1.600			-.4292		-.5370
1.650	-.4107				
1.700			-.6429	-.4243	
1.750			.0000		.0000
1.800					
1.850		-.3520			
1.900					
1.950					
2.000	-.3638				



(R91032)

LOWER WING

TABULATED PRESSURE DATA - IAI14 - VOL. 5

DATE 11 JAN 75

ARC11-716 IAI14 31+12+512+21+110 LOWER WING

ALPHAMACH (7) 2 1.930 BETA0 (7) 2 2.030

SECTION (1) LOWER WING DEPENDENT VARIABLE C0

7/8W .2090 .3640 .4270 .5340 .6730 .7800 .8870

W/CW

.000	-.2927	-.1751	.3184	.5686	.3310	.5025	.5267
.020				.1598	.1550	.0986	.1071
.030			.3109				
.040		.0296					
.048			.2248				
.050	-.2101			.1199	.0921	.1006	.0872
.060				.1003			
.085			.1855				
.086		.1508					
.094	-.1878						
.150			.2505	.1158	.1575	.1570	.1083
.163							
.177			.1537				
.229	.0347						
.246		.1511		.1372	.1619	.1706	.0935
.250			.1558				
.274							
.362	.1759	.1616		.1554	.1608		.0371
.380							
.402			.1606				
.487	.1580			.0715	.0422		
.550			.0589				
.600							
.650							
.700	.0848			-.3556	-.2885	-.1539	-.1468
.725							
.750							
.760							
.775							
.808							
.834	-.3144						
.850							
.857							
.865	-.3734						
.900	-.3615						
.905							
.925							
.947							
.955							
.965	-.3323						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 010112+512425+AT10 LOWER WING (891L32)

ALPHA(D) = 1.930 BETA(D) = 4.070

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.3822	-.1373	.2094	.5535	.4916	.4545	.4866
.023				.1426	.1210	.0571	.0727
.030			.2431				
.040		-.0046					
.048			.2011				
.050	-.2371			.1160	.0506	.0741	.0503
.080				.0996			
.095			.1708				
.096		.1074					
.094	-.1710			.1120	.1233	.1170	.0758
.150		.1833					
.163			.1466				
.177	.0301	.1383		.1235	.1199	.1368	.0542
.222							
.246			.1443				
.250							
.274	.1441	.1491		.1156	.1094		.0074
.362			.1332				
.390	.1430			.0020	-.0041		
.402			.0149				
.497							
.550							
.565							
.600							
.650							
.700	.0484						
.725				-.3361			
.750							
.760			-.3044				
.775							
.800			-.4726				
.834	-.3260						
.850				-.5041	-.5992	-.5168	
.857			-.4459				
.865	-.3627						
.900	-.3443			-.5963			-.5776
.905			-.4040		-.3470		
.910				.0000			.0000
.955			-.2946				
.965	-.3441						





(R81L32)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 APC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA( 7 ) = 1.960 BETAD ( 9 ) = 6.100

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4930	-.0895	.1294	.4504	.4659	.4215	.4578
.020			.1700	.1244	.0390	.0343	.0390
.030		.0034					
.040			.1458				
.048				.1123	.0415	.0615	.0367
.050	-.2744			.1101			
.080			.1422				
.085		.0908					
.096							
.094	-.1764			.1209	.1098	.0939	.0516
.150		.1459					
.163			.1381				
.177							
.229	.0239	.1201		.1193	.0906	.1131	.0281
.246			.1360				
.250							
.274		.1377		.0874	.0641		-.0170
.362	.1238		.1209				
.390				-.0333	-.0689		
.400							
.402							
.497	.1292						
.550							
.565							
.600							
.650							
.700	.0143						
.725							
.750							
.760							
.775							
.808							
.834	-.3433						
.850							
.857							
.865	-.3775						
.900	-.3612						
.905							
.950							
.953							
.965	-.3612						

(RB1L32)

DATE 11 JAN 75 TABULATED PRESSURE DAT. - 1A14A - VOL. 5  
ARC11-7.6 1A14 01+112+512+25+AT10 LOWER WING

ALPHA(7) = 1.950 BETA(10) = 0.100

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.000	-.6159	-.0426	.0947	.2302	.4449 .3966 .4228
.020				.1415	.1023 .0231 -.0160
.030			.1318		
.040		-.0027			
.048			.1128		
.050	-.3106		.1359	.0605	.0511 .0018
.080			.1312		
.085			.1187		
.086		.0648			
.094	-.1637			.1286	.1023 .0655 .0134
.150		.1308			
.163			.1311		
.177					
.229	-.0007	.0396		.1183	.0699 .0650 -.0138
.246			.1298		
.250				.0715	.0140 -.0595
.274	.1152	.1288			
.352			.1110		
.350				-.0639	-.1183
.400					
.402	.1160				
.497					
.550					
.565					
.600					
.650					
.700	-.0220				
.725					
.730					
.760					
.775					
.808					
.834					
.850					
.857					
.865					
.900					
.905					
.950					
.953					
.965					



(RBL32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 3  
 ARC11-716 IA14 51+712+512+25+AT10 LOWER WING

ALPHA(1) = 1.940 BETA(11) = 10.140

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340
X/CW	.000	.0492	.1642	.2913
.020	-.5716	-.0646	.0492	.2913
.030			.1006	.3600
.040		-.0489		.0098
.050			.1022	-.0428
.060	-.3124		.1246	.0283
.085			.1243	-.0324
.096		.0301	.1127	
.094	-.1931			
.150		.1225	.1177	.0973
.163				.0398
.177			.1202	-.0177
.229	-.0220	.0893		
.246			.0989	.0607
.250				.0196
.274		.1150		-.0526
.362	.1074	.1186	.0436	-.0079
.393				-.0337
.400			.0901	
.402				
.497	.1123		-.1093	-.1447
.550			-.0616	
.565				-.2558
.600				-.2813
.630	-.0618		-.3301	
.700			-.3714	-.4238
.725				-.4270
.750			-.4017	
.760			-.4544	-.4472
.775			-.5047	
.808				
.834	-.4581		-.5542	-.5590
.850			-.4897	-.5588
.857				
.865	-.5251		-.4457	-.6101
.900	-.4428		-.4336	-.2361
.905			.0000	.0000
.950			-.2837	
.953				
.965	-.3258			

(R81L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

ALPHA(0) = 3.970 BETA(1) = -9.990

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .5730 .7600 .6870

X/CW

.000	.0689	.0400	.5671	.7703	.7558	.7165	.6837
.020			.5105	.5617	.5395	.5102	
.030			.5559				
.040		.3092					
.048			.4611				
.050	.0407		.4277	.4510	.4398	.3968	
.080			.3963				
.085			.4269				
.086		.3946					
.094	-.0676						
.150		.4965	.4035	.4353	.4069	.3315	
.163							
.177		.4041					
.229	.1619						
.245		.3820	.4246	.4033	.3625	.2623	
.250			.4257				
.274							
.362	.4278	.4340	.4409	.3476		.1824	
.390							
.400							
.402			.4809				
.497	.4812						
.550			.2967	.1920			
.565			.3951				
.600							
.650							
.700	.3710						
.725							
.750							
.760							
.775							
.800							
.834	-.3424						
.850							
.857							
.865	-.4047						
.900	-.5346						
.905							
.950							
.955							
.955	-.3708						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 3  
APC11-716 IA14 01+712+512+25+AT10 LOWER WING

(881032)

ALPHA (8) = 3.990 BETAD (2) = -0.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CM

.000	.0287	-.0311	.5402	.7453	.7293	.6806	.6494
.020			.5301	.4605	.5360	.5193	.4943
.030		.2401					
.040			.4311	.3946	.4252	.4200	.3787
.048				.3619			
.050	.0231						
.060			.3925				
.065							
.086		.3512					
.094	-.1063						
.150		.4705		.3759	.4137	.3841	.3097
.163			.3706				
.177							
.229	.1078						
.246		.3445		.3987	.3849	.3459	.2450
.250			.3961				
.274							
.362	.3989	.4030		.4214	.3315		.1645
.390							
.400			.4537				
.402							
.497	.3845		.3765	.2799	.1787		
.550							
.565							
.600							
.650							
.700	.5400						
.725							
.750							
.775							
.808							
.834	-.3350						
.850							
.857							
.865	-.4034						
.900	-.5128						
.905							
.950							
.953							
.965	-.4268						



TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RBL32)

ARC11-716 IAI4 01+112+312N25+AT1D LOWER WING

ALPHA ( 8 ) = 3.970 BETA ( 3 ) = -6.020

SECTION ( 1 ) LOWER WING

Y/W	2990	3640	4270	5340	6730	7800	8870
X/CW							
.000	-.0122	-.0933	.4991	.7105	.6924	.6468	.6167
.020				.4074	.4840	.4710	.4542
.030			.4997				
.040		.1684					
.048			.3958				
.050	-.0025		.3424	.3796	.3829	.3479	
.080			.3142				
.085			.3524				
.086		.3085					
.094	-.1264						
.150		.4296		.3272	.3768	.3555	.2812
.163			.3257				
.177							
.223	.0708						
.245		.3075		.3577	.3486	.3197	.2189
.250			.3521				
.274							
.362	.3631			.3961	.3061		.1406
.390		.3580					
.400			.4132				
.402							
.497	.3431			.2545	.1583		
.550			.3416				
.565							
.600							
.650							
.700	.4908						
.725				-.2352			
.750							
.760							
.775							
.800							
.834	-.3242						
.850							
.857							
.865	-.3932						
.900	-.4778						
.905							
.950							
.953							
.965	-.6737						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01.32)

ARC11-716 1A14 01+712+312+25+AT10 LOWER WING

ALPHAD (0) = 3.930 BETAG (5) = -2.000

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
Y/CW	.2990	.3640	.4270	.5340	.5730 .7800 .8870
.000	-.1338	-.1875	.4244	.6591	.5259 .5790 .5582
.020				.3132	.3660 .3517 .3589
.040			.4363		
.060		.0928			
.080			.3325		
.100	-.0828		.2592	.2731	.2922 .2750
.120			.2272		
.140		.2827			
.160		.2331			
.180	-.1391			.2477	.2997 .2886 .2273
.200		.3693			
.220	.0274		.2426		
.240		.2292		.2787	.2823 .2709 .1710
.260			.2652		
.280	.2929	.2688		.3194	.2553 .1021
.300			.3210		
.320	.2540		.2977	.1183	
.340			.2570		
.360					-.0923
.380				-.0980	
.400	.3343			-.2359	
.420			-.2311		
.440				-.3051	-.2831
.460			-.3730		
.480			-.4066	-.3403	
.500			-.5144		
.520					
.540	-.3567			-.6227	-.5330 -.4861
.560			-.6044		
.580					
.600	-.3745			-.3895	-.5164
.620	-.4249				
.640			-.5646	-.4582	.0000
.660			.0000		
.680			-.3330		
.700					
.720					
.740					
.760					
.780					
.800					
.820					
.840					
.860					
.880					
.900					
.920					
.940					
.960					
.980					
1.000					





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5  
 ARC11-716 IAI14 21+112+312+5+ATIO LOWER WING

(981132)

ALPHAD (8) = 3.940 BETAD (8) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4870	.5510	.6750	.7000	.8070
X/CW							
.000	-.2509	-.2318	.3726	.5993	.5814	.5390	.5341
.020				.2685	.3233	.5162	.3299
.030			.3970				
.040		.0540					
.048			.2920				
.050	-.1525		.2021	.2256	.2517	.2428	
.060			.1750				
.065			.2418				
.066		.2187					
.094	-.1109			.1861	.2561	.2517	.1956
.150		.3190					
.163			.1975				
.177							
.229	.0448						
.246		.1893		.2109	.2387	.2392	.1435
.250			.2116				
.274							
.362	.2386	.2143		.2437	.2180		.0788
.390							
.400			.2441				
.452				.1397	.0866		
.497	.2008		.1673				-.1139
.550					-.2583	-.1184	
.565							
.600							
.630							
.700	.2039			-.3162			
.725							
.750							
.760			-.3627			-.3226	-.2990
.775				-.4690	-.3688		
.808			-.5252				
.834	-.3122						
.850			-.6149	-.6785	-.5924	-.5054	
.857							
.865	-.3848						
.900	-.3948			-.4711			-.5348
.905			-.5998		-.4113		
.950			.0000			.0000	
.955			-.3225				
.965	-.3504						

(R81L32)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+712+312M250ATTID LOWER WING

ALPHAD (θ) = 4.030 BETAD (T) = 2.050

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.3044	-.2810	.2724	.5840	.5510	.5099	.5050
.020			.3410	.2675	.3047	.2802	.2941
.030		-.0003					
.040			.2697	.2113	.2080	.2192	.2126
.048	-.1846			.1793			
.050			.2237				
.060							
.065		.1619					
.066				.1793	.2249	.2215	.1723
.094	-.1466						
.150		.2521	.1864				
.163							
.177	.0468	.1838		.1860	.1987	.2115	.1207
.223							
.246							
.257			.1851				
.274							
.352	.1940	.1887		.1942	.1813		.0585
.390							
.400							
.402				.1864			
.497	.1825			.0907	.0540		
.550				.0757			-.1527
.565						-.1419	
.600					-.2836		
.650	.1039			-.3110		-.3433	-.3169
.700							
.725							
.740				-.3446			
.760				-.4418	-.3940		
.775				-.5223			
.800							
.834	-.3168			-.6302	-.3756	-.5256	
.850				-.5469			
.857							
.855	-.3787			-.6343			-.5510
.900	-.3655			-.4968	-.3721		
.925				.0900			.0000
.950				-.3019			
.955							
.965	-.3334						



DATE 13 JAN 75 TABULATED PRESSURE DATA - IATAA - V2.1.5  
 A0011-7116 IATAA D1+112+512+25+AT10 LOWER WING

19810321

ALPHA (0) = 4.020 BETAS (0) = 4.070

SECTION (1) LOWER WING	DEPENDENT VARIABLE C0			
Y/CM	.2900	.3640	.4270	.5340 .6730 .7000 .8070
1/CM				
.000	-.0059	-.1693	.1275	.5229 .5093 .4710 .4746
.020			.2400	.2556 .2646 .2331 .2591
.040		-.0100		
.060			.2190	.1047 .1636 .1702 .1700
.080	-.2134			.1566
.100			.1954	
.120		.1127		
.140	-.1525			.1575 .1072 .1013 .1443
.160		.1969		
.180			.1741	
.200	.0406	.1309		
.220				.1545 .1536 .1741 .0893
.240			.1700	
.260				
.280	.1604	.1674		.1360 .1282 .0324
.300			.1520	
.320				.0130 .0377
.340	.1630		.0251	
.360				-.1183
.380				-.1721
.400	.0550			-.3170
.420				-.3413
.440				
.460				-.3575
.480				-.4511 .4205
.500				
.520				-.3359
.540				
.560				-.6073
.580	-.4115			-.5931
.600				-.5472
.620				
.640				-.5539
.660				
.680				-.6394
.700	-.4000			-.5666
.720	-.4239			-.4342
.740				-.3630
.760				.0000
.780				-.2620
.800				
.820				
.840				
.860				
.880				
.900				
.920				
.940				
.960				
.980				
1.00				

(681132)

DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5  
ARC11-716 TAIL 01-112-512025-AT110 LOWER WING

ALPHA(8) = 4.010 BETA(2) = 6.080

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP					
X/CW	Y/CW	Z/CW	YAW	ROLL	YAW	ROLL	YAW
.000	-.3344	-.1076	.0811	.3922	.4903	.4418	.4491
.020				.1082	.2234	.2042	.2173
.040			.1743				
.060	-.0151		.1642				
.080	-.2535		.1581	.1396	.1564	.1524	
.100			.1453				
.120			.1627				
.140	-.1736	.0336					
.160		.1613	.1627	.1470	.1601	.1569	.1181
.180							
.200	.0376	.1418		.1336	.1270	.1428	.0647
.220			.1617				
.240	.1372	.1631					
.260			.1460	.0961	.0852	.0047	.0047
.280	.1462			-.0377	-.0467		
.300			.0122				-.1035
.320					-.2055		
.340	.0224			-.3550	-.3315		
.360							-.3625
.380			-.3582				
.400			-.5183	-.4785	-.4267		
.420							
.440	-.4219						
.460			-.3345				
.480				-.5981	-.5788	-.5658	
.500							
.520	-.4837						
.540	-.4276			-.5791	-.5479		-.5895
.560			-.4006				
.580				.0900		.0000	
.600			-.2453				
.620	-.3044						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARCTIC-716 1A14 31+112+512+5+AT10 LOWER WING (R01L32)

ALPHA (DEG) = 4.060 BETAD (DEG) = 0.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2000 .3640 .4270 .5340 .6730 .7000 .8670

X/CM

.020	-.6366	-.0580	.0352	.1801	.4532	.4337	.4247
.025				.2009	.2128	.1455	.1973
.030			.1299				
.040		-.0264					
.048			.1345				
.050	-.3093			.1872	.1526	.1453	.1277
.060				.1785			
.085			.1440				
.086		.0583					
.094	-.1185			.1683	.1516	.1327	.0901
.150		.1484					
.163			.1615				
.177	.0031						
.229		.1245		.1518	.1128	.1111	.0325
.246			.1645				
.250							
.274							
.302	.1354						
.340		.1515		.1059	.0579		-.0274
.400			.1409				
.402							
.497	.1403			-.0344	-.0796		
.550			-.0118				-.2125
.563						-.2403	
.600							
.640							
.700	-.0088						
.725				-.3490			
.750							
.760							
.775							
.800							
.834	-.4281						
.850							
.857							
.865	-.3050						
.900	-.4344						
.915							
.943							
.945	-.3045						

-.5596

-.3582

-.5656

-.5080

-.5379

-.4188

-.3082

-.6027

.0000

-.2692

DATE 11 JAN 79 TABULATED PRESSURE DATA - IALIA - VOL. 3  
ARC11-716 IALIA D1\*12\*312N25\*AT10 LOWER WING

(891.32)

ALPHA 0.0 4.000 BETAD 0.0 0.100

SECTION	INTEGRAL WING	DEPENDENT VARIABLE ON
7/84	.0000 .3040 .4270 .5340 .6730 .7800 .8870	
7/24		
.000	-.3982 -.0026 .0024 .0867 .2564 .3041 .4012	
.020		.1660 .1951 .1600 .1409
.040		.0961
.060	-.0756	
.080		.1184
.100	-.3043	.1614 .1600 .1166 .0955
.120		.1616
.140		.1421
.160	.0233	
.180	-.1876	.1471 .1469 .1023 .0494
.200		.1430
.220	-.0312	.1537
.240		.1217
.260		.1342 .1105 .0634 -.0098
.280		.1509
.300	.1340	
.320		.1473
.340		.0805 .0344 -.0401
.360		.1305
.380	.1381	
.400		-.0578 -.1377
.420		-.0283
.440		-.2362
.460	-.0300	-.2524
.480		-.3754
.500		-.4125 -.4106
.520		-.4029
.540		-.4490 -.4395
.560		-.5059
.580		
.600	-.4432	-.5422 -.5510 -.5527
.620		-.4777
.640		
.660	-.5190	
.680	-.4361	-.5004 -.2611 -.0076
.700		-.4332 .0000 .0000
.720		-.2800
.740	-.1140	





(R81L32)

AFC11-715 1A14 01+112+512N25+AT10 LOWER WING

ALPHAD (9) = 5.960 BETA (2) = -7.980

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .5730 .7090 .8070

X/CW

.000	.0333	-.0612	.4868	.7494	.7140	.6425	.5950
.020				.5617	.6226	.6173	.5854
.030			.2463	.5849			
.040							
.048			.4832	.4627	.4964	.4966	.4571
.050	.0375			.4129			
.080			.4337				
.085							
.096			.3734				
.094	.0479			.4023	.4460	.4230	.3526
.150			.4951				
.163							
.177			.3873				
.229	.1503						
.245			.3627				
.250				.4059	.3970	.3697	.2702
.274			.4011				
.362	.4118						
.330			.4030				
.400				.4095	.3289		.1812
.402			.4408				
.497	.3853			.2722	.1717		
.550			.3588				
.565							
.600							
.650							
.700	.5204						
.705				-.1957		-.0339	-.0202
.705					-.1767		
.750							
.760			-.3206			-.2439	-.2137
.775				-.3466	-.2845		
.808			-.4978				
.834	-.3298						
.850				-.5642	-.4661	-.4283	
.857			-.5026				
.865	-.3903						
.900	-.4929			-.6814			-.4598
.905			-.5741		-.6425		
.950				.0000		.0000	
.953			-.3324				
.965	-.4650						





TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R91L32)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

DATE 11 JAN 75

ALPHA( 9 ) = 5.940 BETA( 3 ) = -5.960

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0101	-.1169	.4478	.6990	.6943	.6120	.5507
.020				.5315	.5371	.5912	.5535
.030							
.040		.1731					
.048			.4523				
.050	.0937			.4320	.4723	.4755	.4379
.060				.3830			
.085			.4063				
.096		.3249					
.094	.0078						
.150		.4795		.3720	.4267	.4079	.3348
.163			.3611				
.177							
.229	.1020						
.246		.3370					
.250			.3752	.3798	.3788	.3561	.2511
.274							
.352	.3861	.3763					
.330				.3889	.3173		.1647
.400			.4235				
.402				.2522	.1627		
.497	.3625		.3447				
.550							
.565							
.600							
.650							
.700	.4962						
.725				-.2340			
.750							
.760							
.775							
.808							
.834	-.3216						
.850							
.857							
.865	-.3492						
.900	-.4745						
.905							
.950							
.953							
.965	-.4611						

-.4748

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+112+512N25+AT10 LOWER WING (R81L32)

ALPHA( 9) = 5.960 BETA( 4) = -3.990

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7100 .8070

X/CW

.000	-.0709	-.2200	.4216	.6722	.6515	.5828	.5310
.020				.4830	.5472	.5480	.5259
.030		.1096	.5281				
.040			.4248				
.050	-.0382		.3924	.4299	.4385	.4063	
.060			.3470				
.085		.2923	.3726				
.096	-.0282			.3366	.3937	.3784	.3107
.150		.4459	.3279				
.177							
.229	.0582	.3069		.3481	.3517	.3333	.2281
.246			.3418				
.250				.3627	.2976		.1443
.274	.3577	.3419					
.362			.3870				
.390				.2345	.1487		
.402	.3246		.3117				
.497							
.550							
.565							
.600							
.650							
.700	.4447						
.725							
.750							
.760							
.775							
.808							
.834	-.3173						
.850							
.857							
.865	-.3839						
.900	-.4532						
.905							
.950							
.953							
.965	-.4315						



NR011-716 1A14 01-712+512+25+AT10 LOWER WING

ALPHA(1, 3) = 5.97D  
BETA( 3) =

SECTION 11. LOWER WING

DEPENDENT VARIABLE CPE

[illegible]

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
 ARC11-716 IAI4 01\*112\*512N25\*AT10 LOWER WING (881L32)

SECTION (1) LOWER WING	ALPHA(9) = 5.980	BETA(6) = .030	DEPENDENT VARIABLE C <sub>P</sub>			
Y/BW	.2990	.3640	.4270	.5340	.6730	.8870
X/CW						
.000	-.2039	-.3497	.3321	.6050	.5816	.5241
.020			.3566	.4355	.4506	.4538
.030		.0459				
.040			.3344			
.050	-.1191		.2769	.3298	.3547	.3424
.060			.2397			
.085		.2799				
.095		.2304				
.134	-.0947					
.150		.3338		.2369	.3172	.3157
.163			.2313			.2602
.177						
.229	.0565	.2135		.2477	.2777	.2834
.245						.1845
.250		.2383				
.274	.2369					
.362		.2381		.2663	.2434	.1054
.390						
.400			.2632			
.402			.1758			
.497	.2248			.1318	.1031	
.550						
.565						
.600						
.650						
.700	.2220					
.725						
.750						
.760						
.775						
.805						
.834	-.3137					
.850						
.857						
.865	-.3789					
.900	-.3957					
.905						
.950						
.953						
.955	-.3440					



TABULATED PRESSURE DATA - IAL14 - VOL. 5

(581-32)

ARC11-716 IAL14 01+712+512+25+AT10 LOWER WING

ALPHA(9) = 5.970 BETA(7) = 2.030

DEPENDENT VARIABLE OF

SECTION (1) LOWER WING

Y/B	.2990	.3640	.4270	.5340	.5730	.7800	.8870
X/CW							
.000	-.3096	-.3408	.2361	.5615	.5511	.4990	.4624
.020			.3664	.3561	.4057	.4198	.4192
.040		-.0137					
.060			.3017				
.080	-.1499		.2761	.2955	.3243	.3160	
.100			.2354				
.120		.1664	.2352				
.140	-.1143						
.160		.2777		.2223	.2624	.2630	.2330
.180			.2141				
.200	.0554	.2047					
.220			.2105	.2174	.2429	.2541	.1612
.240	.2110	.2093					
.260			.2372	.2166	.2032		.0847
.280	.2105		.0887	.1041	.0702		
.300							
.320							
.340							
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L32)

ARC11-716 1A14 01+112+12+25+KAT10 LOWER WING

ALPHA( 9 ) = 5.950 BETA( 8 ) = 4.000

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7600	.8970
1/CM							
.000	-.4301	-.1891	.0041	.4897	.5109	.4673	.4453
.025			.2565	.2999	.3711	.3771	.3775
.050		-.0308					
.075			.2395				
.100	-.2002		.2274	.2610	.2832	.2701	
.125			.1940				
.150		.1121					
.175	-.1135			.1769	.2413	.2486	.2021
.200		.2100	.1950				
.225	.1702						
.250		.1754		.1699	.1970	.2194	.1328
.275		.1671					
.300	.1775	.1859		.1449	.1568		.0596
.325			.1703				
.350	.1775		.0415	.0144	.0263		
.375							
.400							
.425							
.450							
.475							
.500							
.525							
.550							
.575							
.600							
.625							
.650							
.675							
.700							
.725							
.750							
.775							
.800							
.825							
.850							
.875							
.900							
.925							
.950							
.975							
.995							



ARC11-716 1A14 01+112+S12+25+AT19 LOWER WING (R81CJ32)

ALPHA(9) = 5.949 BETA(9) = 5.109

[illegible]





QB11321

TABULATED PRESSURE DATA - 1414A - VOL. 5

ARC11-716 1414 JET12\*51245\*ATIO LOWER WING

DATE 11 JAN 75

ALPHA 91.8 5.000 BETAD (11) = 10.150

DEPENDENT VARIABLE CP

SECTION - LOWER WING

Y/B	.2300	.3640	.4270	.5340	.6730	.7800	.8870
1/CM							
.000	-.6236	-.1020	-.0681	-.0376	.2273	.3816	.3827
.020				.1789	.2733	.2878	.2944
.030			.0744				
.040		-.0988					
.048			.1286				
.050	-.3419		.1933	.2377	.2137	.1934	
.060			.1832				
.070			.1687				
.080		.0244					
.090	-.1197			.1787	.2026	.1749	.1267
.100		.1691					
.110			.1936				
.120	-.0028						
.130		.1411		.1526	.1593	.1316	.0498
.140			.1913				
.150	.1472						
.160		.1711		.1048	.0614		-.0127
.170			.1640				
.180	.1808			-.0447	-.0606		
.190			-.0018				-.1935
.200					-.2198		
.210	-.0154			-.3146			
.220				-.3978		-.3930	-.3807
.230			-.4038				
.240			-.5074	-.4332			
.250			-.5278				
.260							
.270	-.4484			-.6052	-.5694	-.5499	
.280			-.5100				
.290				-.5909			-.5937
.300	-.5079						
.310	-.4373		-.4982	-.2936			
.320			.0000			.0000	
.330			-.2895				
.340							
.350	-.3170						

(RB1L321)

AFC11-716 IA14 01+T12+S12+R3+AT10 LOWER WING

ALPHA(DIG) = 0.000 BETA(DIG) = -9.950

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/B	.2993	.3640	.4270	.5340	.6730	.7000	.8870
Y/CW	.000	.0235	.5569	.6073	.7310	.6348	.5801
.020			.5229	.6764	.7952	.6739	
.035		.3552					
.050			.5229				
.065			.5049	.5745	.5942	.5351	
.080			.4476				
.095		.4429					
.110	.0532			.4205	.4855	.4758	.4126
.125		.5193					
.140			.3884				
.155	.2378	.5702		.4071	.4169	.4044	.3114
.170			.3966				
.185	.4258	.4537					
.200			.4273	.3952	.3338		.2143
.215	.3973			.2452	.1732		
.230			.3356				.0067
.245							
.260	.5198						
.275							
.290							
.305							
.320							
.335							
.350							
.365							
.380							
.395							
.410							
.425							
.440							
.455							
.470							
.485							
.500							
.515							
.530							
.545							
.560							
.575							
.590							
.605							
.620							
.635							
.650							
.665							
.680							
.695							
.710							
.725							
.740							
.755							
.770							
.785							
.800							
.815							
.830							
.845							
.860							
.875							
.890							
.905							
.920							
.935							
.950							
.965							
.980							
.995							



EXTRACTED PRESSURE DATA - IA14A - VOL. 5

44(1)-716 1A14 31+1:2+512+25+AY1D LOWER WING

$$A / \mu A (10) = 0.112 \quad 85170 (2) = -7.953$$

376187A 19603-35

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[illegible]

10

[illegible]

DATE 12 JAN 75

TABULATED PRESSURE DATA - IATA4 - VOL. 3

(R91032)

ARC11-716 IATA Q1+T12+SIZE25+ATIO LOWER WING

A. FMAD1121 = 0.130 BETAD (3) = -5.940

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/W	.2990	.3640	.4270	.5340	.6730	.7900	.8870
1/C <sub>u</sub>							
.000	-.3103	-.1739	.4126	.7153	.6642	.5643	.5021
.020				.5905	.6247	.6701	.6369
.030			.5914				
.040		.1922					
.060			.4892				
.080	.0150			.4799	.5356	.5515	.5035
.100				.4203			
.120			.4289				
.140		.5413					
.160	.0344			.3915	.4600	.4484	.3789
.180			.4919				
.200			.3687				
.220	.1375						
.240		.5435		.3794	.3098	.3002	.2019
.260			.3672				
.280	.3088						
.300		.5751		.3751	.3116		.1016
.320			.4010				
.340	.3473			.2302	.1500		
.360			.3239				
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.995							



(R01L32)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - TAIL - VOL. 5  
 ARC11-716 TAIL 01+112+512025+AT10 LOWER WING

ALPHA (10) = 7.900		BETA (4) = -3.970		DEPENDENT VARIABLE CP	
SECTION (1) LOWER WING					
X/CW	Y/BW				
.000	-.0622	-.2502	.3810	.6881	.5541
.020				.5607	.5597
.030			.3640		
.040		.1291			
.048			.4652	.4515	.5037
.050	-.0199			.3968	
.060			.4057		
.095		.3310			
.096	.0062			.3706	.4334
.094					.3670
.150		.4619			
.163			.3526		
.177					
.229	.1012				
.246		.3237		.3635	.1778
.250					.3704
.274			.3578		
.362	.3679				
.390		.3571		.3666	.3097
.400					.1716
.402			.3885		
.497	.3387			.2329	.1506
.550					
.565			.3089		
.603					-.0345
.650					-.0514
.700	.4401			-.2304	-.1926
.725					-.2675
.750			-.3368		-.2258
.760				-.3864	-.2970
.775				-.4952	
.808					
.834	-.3114			-.6082	-.4788
.850					-.4438
.857			-.5803		
.855	-.3786				
.900	-.4499			-.7229	-.4584
.935				-.6225	
.950			-.6759	-.6225	.0000
.953				-.3737	
.955			-.3543		
.965	-.4287				

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+T12+S12H25+T110 LOWER WING (881L32)

ALPHA(10) = 0.010 BETA( 5) = -1.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.1442	-.3662	.3520	.6475	.6235	.5232	.4373	
.020			.5128	.4952	.5370	.5888	.5749	
.030		.0509						
.040			.4147					
.060	-.0658		.3949	.4554	.4844	.4549		
.080			.3471					
.095		.3540						
.086	.2554							
.034	-.0376							
.150		.4265		.3315	.3966	.3990	.3398	
.153		.3034						
.177			.2734					
.229	.0670							
.245		.2734						
.250			.3110	.3269	.3414	.3409	.2428	
.274	.3244		.3344					
.362				.3397	.2814		.1592	
.330			.3395					
.400		.2844		.2090	.1318			
.402			.2605					
.437								
.450								
.455								
.600								
.650								
.700	.3644							
.725								
.750								
.760								
.775								
.808								
.834	-.3033							
.850								
.857								
.865	-.3667							
.900	-.4142							
.925								
.950								
.953								
.955	-.3621							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+T12+S12+25+AT10 LOWER WING (881L32)

ALPHAD(10) = 7.930 BETAD ( 6 ) = .060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/SW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2141	-.5107	.2817	.5919	.5893	.5037	.4412	
.020			.4551	.4224	.4797	.5392	.5386	
.030		-.0203						
.041			.3627	.3297	.4003	.4404	.4213	
.048	-.0947			.2835				
.050			.3040					
.085			.2322					
.086	-.0709			.2669	.3561	.3620	.3086	
.094			.3657	.2529				
.150				.2302	.2605	.3027	.3137	.2147
.163				.2557				
.177	.0698							
.229			.2506	.2640	.2427			.1277
.246				.1404	.1007			
.253				.1733				
.274	.2648							
.362								
.390								
.400								
.402								
.497	.2339							
.553								
.555								
.600								
.650								
.700	.2209							
.725								
.750								
.760								
.775								
.808								
.834	-.3075							
.850								
.857								
.865	-.3681							
.900	-.3788							
.935								
.950								
.953								
.965	-.3226							

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(881132)

ARC11-716 IA14 01+712+S12N25+AT10 LOWER WING

ALPHA(10) = 7.970 BETA( 7) = 2.050

DEPENDENT VARIABLE CP

SECTION ( 1) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3107	.4063	.1623	.5369	.5505	.4818	.4209
.020				.3902	.4282	.4997	.5051
.030			.3558				
.040		-.0224					
.048			.3078				
.050	-.1189			.2986	.3579	.3971	.3915
.060				.2522			
.065			.2686				
.085		.1634					
.094	-.0837			.2325	.3112	.3280	.2839
.100		.2823					
.105			.2266				
.120	.0607						
.125		.2125		.2157	.2584	.2807	.1933
.130			.2213				
.140		.2156		.1986	.2048		.1061
.150			.2105				
.160	.2163			.0713	.0627		
.170			.0833				-.1013
.180					-.1212		
.190	.1280			-.3313	-.2665		
.200						-.3271	-.2908
.210			-.3306				
.220				-.4600	-.3741		
.230			-.4916				
.240							
.250				-.6438	-.5460	-.5095	
.260			-.3142				
.270							
.280							
.290							
.300							
.310							
.320							
.330							
.340							
.350							
.360							
.370							
.380							
.390							
.400							
.410							
.420							
.430							
.440							
.450							
.460							
.470							
.480							
.490							
.500							
.510							
.520							
.530							
.540							
.550							
.560							
.570							
.580							
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.600							
.610							
.620							
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.640							
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.670							
.680							
.690							
.700							
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.720							
.730							
.740							
.750							
.760							
.770							
.780							
.790							
.800							
.810							
.820							
.830							
.840							
.850							
.860							
.870							
.880							
.890							
.900							
.910							
.920							
.930							
.940							
.950							
.960							
.970							
.980							
.990							
.000							





TABLETED PRESSURE DATA - IALIA - VOL. 5

(R81032)

ARISE 710 IALIA 12+512+25+210 LOWER WING

ALPHADITION = 7.950 BULAD (8) = 4.080

SECTION 1 LOWER WING DE EXPENT VARIABLE CO

Y/84 .2992 .3640 .4270 .5340 .6730 .7800 .8870

X/CA

.000	-.4316	-.2220	-.0224	.4105	.5152	.4448	.3324
.020				.3554	.3970	.4623	.4705
.030			.2434				
.040		-.0492					
.048			.2416				
.050	-.11861			.2739	.3292	.3555	.3598
.080			.2424	.2349			
.085							
.095		.1105					
.094	-.1170						
.150		.2211		.2080	.2752	.2982	.2577
.163							
.177			.2183				
.229	.0673	.1977		.1857	.2215	.2528	.1684
.245			.2041				
.250							
.274	.1894	.1974		.1463	.1642		.0870
.330			.1790				
.400							
.432							
.437	.1907			.0101	.0281		
.550			.0411				
.565							
.600							
.650							
.700	.0726						
.725							
.750							
.760							
.775							
.803							
.834	-.4139						
.850							
.857							
.865	-.4804						
.900	-.4282						
.905							
.950							
.955	-.2918						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL132)

AFC11-716 1A14 01+112+512+25+AT110 LOWER WING

ALPHASUBID = 7.920 BETAG (9) = 6.110

SECTION / LOWER WING	DEPENDENT VARIABLE CP									
Y/B	.2930	.3640	.4270	.5340	.6730	.7800	.8870			
Z/CW										
.000	-.3862	-.1626	-.0600	.1767	.4691	.4124	.3717			
.020				.2799	.3632	.4302	.4474			
.030			.1605							
.040		-.0677								
.050			.1795							
.060	-.2362			.2489	.2989	.3336	.3402			
.080				.2239						
.095			.1995							
.096		.0845								
.104	-.1534									
.150				.2021	.2481	.2718	.2411			
.163		.1892								
.177			.2135							
.229	.0337	1736								
.245				.1784	.1940	.2263	.1519			
.250			.2021							
.276										
.312	.1660									
.330		.1910								
.400				.1259	.1321		.0673			
.412			.1765							
.437	.1762			-.0122	-.0039					
.553			.0318							
.600										
.650										
.700	.0497			-.3408	-.3004					
.725										
.750										
.760			-.3460							
.775				-.4561	-.3960					
.808			-.4955							
.834	-.4740									
.850				-.5941	-.5592	-.5308				
.857			-.5345							
.865	-.4821									
.900	-.4560			-.6308						
.935			-.4402		-.3754					
.950				-.3133		.0000				
.953			-.2474							
.955	-.3045									





(891-32)

ARC11-715 1A14 01+712+512+25+AT10 LOWER WING

ALPHA(10) = 0.060 BETA(11) = 10.100

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/CW .2993 .3540 .4270 .5340 .5730 .7800 .8970

X/CW

.000	-.6082	-.1317	-.1253	-.1110	.3060	.3960	.3321
.020				.2534	.3553	.3955	.3836
.030			.0001				
.040		-.1013					
.045			.0629				
.050	-.3355			.2009	.3050	.2955	.2924
.055			.2146	.2055			
.056		.0336					
.057							
.058	-.1323			.2584	.2441	.2380	.2025
.060		.1091					
.065			.2272				
.070	.0149						
.075		.1753		.2252	.1933	.1890	.1141
.080			.2164				
.082	.1659			.1625	.1144		.0391
.085		.1975					
.090			.1814				
.095	.1684			.0221	-.0349		
.100			.0169				
.105							-.1645
.110	-.0056			-.3034		-.1077	
.115							
.120				-.3058			
.125							
.130							
.135							
.140							
.145							
.150							
.155							
.160							
.165							
.170							
.175							
.180							
.185							
.190							
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.765							
.770							
.775							
.780							
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.875							
.880							
.885							
.890							
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.920							
.925							
.930							
.935							
.940							
.945							
.950							
.955							
.960							
.965							
.970							
.975							
.980							
.985							
.990							
.995							
1.000							



(R91L32)

TABLED PRESSURE DATA - IAL44 - VOL. 3  
ARCH-716 IAL4 31+112+512+25+ATIO LOWER WING

A CHARTERED 10.040 BETAD (1) = -9.930

SECTION 111. LOWER WING DEPENDENT VARIABLE C

Y/BW	.2990	.3640	.4270	.5340	.6730	.7830	.8970
X/CW							
.000	.1294	.0623	.6045	.8345	.7187	.5922	.5211
.020			.6291	.6360	.7375	.7753	.7329
.030		.3853					
.040			.5011				
.048				.4985	.6222	.6462	.5982
.050	.1076		.4134	.4274			
.080							
.045		.4534					
.046							
.034	.0942			.4040	.5094	.5145	.4560
.150		.4884					
.163			.3597				
.177							
.223	.2402						
.246		.3313		.3792	.4322	.4330	.3451
.250			.3647				
.274							
.352	.3965						
.370		.3739		.3545	.3369		.2365
.400			.3876				
.432				.1945	.1566		
.497	.3750		.2921				.0265
.550							
.565							
.600							
.650							
.700	.4864						
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.930							
.937							
.947							
.955							

DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 3

(R91L92)

ARC11-716 1A14 01+Y12+S12+25+ATD COVER WING

$$\text{GETAC}(2) = 9.930 \quad -7.930$$

Only better : 0611535

DEPENDENT VARIABLE (F)

Yr.	2999	3640	4270	5340	6730	7900	8870
1000	3750	-3324	3231	7969	6350	5598	4942
1020			6309	6442	7240	7518	7165
1030		3040					
1040			5141				
1050	3753			5100	6184	6365	5998
1060			4352	4470			
1070		4113					
1080	3651			4125	5029	5032	4469
1090		6359	3701				
1100	2014						
1110		3445		3912	4263	4271	3361
1120			3756				
1130	4727	3640		3722	3320		2297
1140			3985				
1150	3765			2279	1667		
1160			3173			-9134	9173
1170				-1749			
1180	4919			-1922		-2336	-1827
1190			-3153				
1200			-4980	-3367	-2593		
1210							
1220	-3362			-5146	-4108	-3848	
1230			-5708				
1240	-3874			-5375			-4236
1250	-4739		-6396	-5570		9000	
1260				-6657			
1270			-3642				
1280	-4400						

TABLE A10. AVERAGE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01-12-512025+AT10 LOWER WING

$$A_{\text{H}_2\text{O}}(1) = 9.969 \text{ BEV} \cdot (3) = -5.929$$

SECRET (S) - TOP SECRET

CC-00000000000000000000

Year	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426
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(R01L32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 3  
ARC11-716 TAIL DIST+25+ATIO LOWER WING

ALPHA(11) = 0.000 BETAD (4) = -3.870

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.000	-.0657	-.2676	.3373	.7093	.6415	.5090	.4210
.020			.5641	.6056	.6552	.7104	.6575
.030		.1446					
.040			.4649				
.050	-.0065		.4761	.5653	.5917	.5495	
.060			.4079				
.080		.3359					
.100	.0045						
.120		.4436		.3728	.4673	.4712	.4100
.140			.3428				
.160	.1227	.3152					
.180			.3510	.3870	.3947	.2998	
.200		.3416					
.220	.3537	.3431					
.240			.3388	.2991		.1941	
.260		.3677					
.280	.3270		.2016	.1391			
.300		.2829					
.320							
.340							
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							





DATE 11 JAN 75 FABRICATED PRESSURE DATA - TAIKAS - 1001.5

ARL11-715 DATA 10112+51283+AT10 LOWER WING (051-32)

ALPHA=11.0 0.000 BETAD 51.0 -1.970

SECTION 1 LOWER WING DEPENDENT VARIABLE C0

Y/N	0.000	.3640	.4270	.5340	.5930	.6000	.6070
7/CM							
.000	-.1398	-.4215	.2940	.5593	.5195	.4940	.4022
.020				.5591	.6334	.6507	.6335
.040		.0455					
.060			.4104				
.080	-.0462		.4202	.5055	.5451	.5173	
.100			.5556				
.120		.2355	.3497				
.140	-.0280						
.160		.3965		.3149	.4150	.4340	.3623
.180			.2888				
.200	.0998	.2583		.2998	.3486	.3638	.2716
.220			.2945				
.240	.3011	.2768					
.260			.5006	.2925	.2679		.1716
.280	.2606			.1662	.1112		
.300			.2029				
.320							
.340							
.360							
.380							
.400							
.420							
.440							
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.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							

(RBL32)

DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - V2.1.5  
ASC11-716 TAIL 01+112+512+25+ATD LOWER WING

ALPHAD(11) = 0.933 BETA(16) = .030		DEPENDENT VARIABLE CP	
SECTION / 11 LOWER WING			
170-	.2990 .3640 .4270 .5340 .6730 .7000 .8970		
170C			
300	-.2351	-.5973	.1805
320			.5938
330			.4796
340			.4286
349			.3566
351			.3604
361			.5051
363			.5033
365			.5056
366			
374			.1791
375			
377			.3447
378			.2497
379			
384			.2236
385			.2467
386			.3014
387			.3328
388			.2473
389			
392			.2426
393			
394			.2362
395			.2206
396			.1402
397			
398			.2406
399			
400			.2362
401			.2206
402			.1402
403			
404			.1052
405			.0787
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407			.1237
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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 1

(P81L32)

ALC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHAD111 - 9.930 BETAD (7) = 2.060

SECTION 2 ( 1) LOWER WING

DEPENDENT VARIABLE CP

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.3167	-.3149	.0673	.5105	.5560	.4592	.3693
.020			.3483	.4263	.5745	.5827	.5755
.030		-.0640					
.040			.3111				
.048				.3273	.4157	.4657	.4613
.050	-.0993			.2748			
.080			.2765				
.085		.1459					
.094	-.0583			.2345	.3419	.3687	.3339
.150		.2799					
.163			.2771				
.177							
.225	.0732						
.246		.2203		.2985	.2702	.3051	.2291
.250			.2233				
.274		.2216					
.352			.2190				
.390				.1793	.1997		.1303
.400			.2062				
.492		.2206		.0428	.0550		
.497			.0762				
.550							
.565							
.600							
.650							
.700	.1293			-.3466	-.2643		
.725							
.750							
.760							
.775							
.775							
.775							
.834	-.3948						
.850							
.857							
.865	-.3446						
.900	-.3370						
.905							
.950							
.953							
.965	-.3179						

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 ARC11-716 1A14 01+112+912N25+AT10 LOWER WING  
 (881132)

ALPHA(11) = 9.960 BETA( 0 ) = 4.080

SECTION ( 1 ) LOWER WING  
 DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4318	-.2684	-.0684	.3902	.5115	.4352	.3501
.020	.020			.3918	.4641	.5449	.5385
.030			.2449				
.040		-.0395					
.048			.2375				
.050	-.1647			.3094	.3844	.4352	.4289
.060			.2620	.2688			
.075							
.095		.1114					
.094	-.0964			.2402	.3121	.3450	.3067
.100		.2329					
.110			.2341				
.177							
.229	.0722	.2109					
.246				.2133	.2392	.2806	.2036
.253			.2174				
.274							
.342	.2013	.2101		.1720	.1681		.1090
.390			.1895				
.400				.0326	.0279		
.402	.2026		.0478				
.497						-.1361	-.1040
.550				-.3143	-.2872		
.565						-.3373	-.2908
.600							
.650							
.700	.0838						
.725							
.750							
.760							
.785							
.802							
.836	-.4086						
.950							
.857							
.865	-.4690						
.900	-.4243						
.905							
.950							
.955							
.965							



CASE 11 JAN 75 TABULATED PRESSURE DATA - IN14A - VOL. 5  
 45711-715 IN14 0111245124254110 LOWER WING (RB1032)

AL HADITH 1 10.040 BETAD 1 91 E 5.140

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	2990	3640	4270	5340	5730	7800	8870
X/CM							
.000	-.5950	-.2029	-.1177	.2095	.4806	.4118	.3332
.020				.3366	.4239	.5146	.5209
.030			.1696				
.040		-.0830					
.048			.2074				
.050	-.2259			.2798	.3478	.4058	.4121
.060				.2506			
.065			.2276				
.066		.0795					
.094	-.1346			.2164	.2893	.3193	.2930
.150		.2045					
.163			.2276				
.177							
.229	.0584						
.246		.1957		.1061	.2221	.2642	.1926
.260			.2132				
.274	.1079						
.352		.2086		.1403	.1425		.0980
.390							
.400			.1970				
.452							
.497	.1079			-.0061	.0029		
.550			.0344				
.555							
.590							
.650							
.700	.0470						
.725				-.3481			
.750					-.2986		
.760			-.3400				
.775				-.4513	-.3922		
.805			-.4910				
.834	-.4271						
.850				-.6037	-.5529	-.5249	
.897			-.5321				
.865	-.4924						
.900	-.4305			-.6634			-.3401
.914							
.930			-.4751		-.4541		
.950				-.3423			.0000
.955			-.2664				
.965	-.3132						

ARC11-716 1414 01+T12+312N25+AT10 LOWER WING (981L32)

ALPHAC111 = 10.030 9ETAD (10) = 0.160

SECTION 11 LOWER WING	DEPENDENT VARIABLE C <sub>0</sub>				
Y/B <sub>W</sub>	.2993	.3640	.4270	.5340	.6730 .7800 .8970
Z/C <sub>W</sub>					
.020	-.8903	-.1465	-.1485	-.0102	.4309 .3952 .3300
.023				.2915	.4121 .4912 .4976
.030			.1115		
.040		-.0940			
.048			.1737		
.053	-.2075			.2037	.3432 .3969 .3681
.060			.2205	.2603	
.065					
.086		.0587			
.094	-.1749			.2276	.2797 .3042 .2765
.100					
.121		.1774			
.127			.2348		
.229	.0542				
.246		.1839		.1194	.2122 .2462 .1731
.253					
.274			.2167		
.302	.1780				
.333		.2045			
.403				.1302	.1322 .0820
.472			.1850		
.497	.1886			-.0123	-.0398
.553			.0224		
.565					
.600					
.651					-.1290
.707	.0277			-.3017	
.725				-.3527	
.750					-.3608
.775					-.3157
.809					
.834	-.4307				
.850					
.857					
.865					
.900	-.4404				
.935					
.950					
.953					
.965	-.3163				









FOR AT - PLOT OF DATA - 1444 - 1445

11-11-16 DATA - DISSEMINATED UNDER WFOU

11-11-16 DATA - DISSEMINATED UNDER WFOU

DEPENDENT VARIABLE CP

11-11-16 DATA - DISSEMINATED UNDER WFOU

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921.33

ANALYSIS OF VARIANCE FOR DATA FROM 1964-1965

ALPHA = 0.05, BETA = 0.05, GAMMA = 0.05, DELTA = 0.05

SOURCE OF VARIATION DEPENDENT VARIABLE C<sub>1</sub>

Y<sub>1</sub> = 0.2990 0.5540 0.4270 0.5540 0.5540 0.5540 0.5540 0.5540

R<sup>2</sup>/C<sub>1</sub>

0.775 -0.3141 -0.2137  
0.810 -0.5484  
0.834 -0.2634  
0.850 -0.4995 -0.3777 -0.2615  
0.867 -0.4498  
0.885 -0.5298  
0.900 -0.4304  
0.915 -0.5626 -0.5275 -0.5474  
0.930 -0.6466 -0.0000  
0.945 -0.6242  
0.960 -0.4245

ALPHA = 0.05, BETA = 0.05, GAMMA = 0.05, DELTA = 0.05

SOURCE OF VARIATION DEPENDENT VARIABLE C<sub>2</sub>

Y<sub>2</sub> = 0.2990 0.5540 0.4270 0.5540 0.5540 0.5540 0.5540 0.5540

R<sup>2</sup>/C<sub>2</sub>

0.775 -0.0054 -0.2184 0.447 0.4066 0.3234 0.2373 0.2745  
0.810 -0.6787 -0.5559 -0.5529 -0.5548  
0.834 -0.3705  
0.850 -0.8335  
0.867 -0.5537  
0.885 -0.6441 -0.5443 -0.5537 -0.5569  
0.900 -0.6152  
0.915 -0.1741  
0.930 -0.1593  
0.945 -0.1333  
0.960 -0.0958  
0.975 -0.3770  
0.990 -0.1203  
1.005 -0.0456  
1.020 -0.0327 -0.5440 -0.5513 -0.4485  
1.035 -0.0461  
1.050 -0.0070  
1.065 -0.1004  
1.080 -0.0848  
1.095 -0.1933 -0.3077 -0.4422  
1.110 -0.1925  
1.125 -0.1644 -0.1716  
1.140 -0.2038  
1.155 -0.4789  
1.170 -0.0343

DATE 11 JAN 73 TABULATED PRESSURE DATA - IAI4A - VOL 5

19810331

ASCI-716 DATA DIS-12>S12426>ATIO LONGER 2160

ALPHA 11.5 -10.240 BETA 1.41 -3.940

SECTION 1 WORKING DEPENDENT VARIABLE C1

1 2 2493 3540 4273 5340 6730 7500 8870

2 2644 -1727 -1253 -0987 -6386

3 -2636 -3185 -2441

4 -3436 -5137 -3377 -2377

5 -4529 -5373 -3437 -2474

6 -5662 -6340 -3030

7 -6575

8 -1.370

ALPHA 11.5 -10.240 BETA 1.41 -3.940

SECTION 1 WORKING DEPENDENT VARIABLE C1

1 2 2493 3540 4273 5340 6730 7500 8870

2 2644 -1727 -1253 -0987 -6386

3 -2636 -3185 -2441

4 -3436 -5137 -3377 -2377

5 -4529 -5373 -3437 -2474

6 -5662 -6340 -3030

7 -6575

8 -1.370

ALPHA 11.5 -10.240 BETA 1.41 -3.940

SECTION 1 WORKING DEPENDENT VARIABLE C1

1 2 2493 3540 4273 5340 6730 7500 8870

2 2644 -1727 -1253 -0987 -6386

3 -2636 -3185 -2441

4 -3436 -5137 -3377 -2377

5 -4529 -5373 -3437 -2474

6 -5662 -6340 -3030



881.331

ALPHA (1) = -10.250 BETA (5) = -0.000

SECTION 1: INDEPENDENT VARIABLE C

T/M 2300 3600 4200 5340 6700 7400 8800

T/C

350	.0947	.1201				
365	.1226					
600						
650						
700	.1917					
725						
750						
760						
775						
800						
835	-.2520					
850						
857						
865	-.3405					
900	-.3696					
905						
950						
953						
965	-.3550					

ALPHA (1) = -10.160 BETA (6) = .020

SECTION 1: INDEPENDENT VARIABLE C

T/M 2300 3600 4200 5340 6700 7800 8800

T/C

350	-.1576	-.2009	.0067	.3109	.2707	.1247	.1614
370				-.6511	-.6629	-.6250	-.5626
390				-.2237			
400				-.2298			
440				-.1650			
450	-.2163			-.6471	-.6655	-.6193	-.5626
470				-.5563			
505				-.0962			
545				-.1274			
594	-.1702						
600				.0403			
610							
670				-.1478			
720	-.1795						
745				-.0196			
760							
774				-.1572	-.5450	-.6710	-.5755
842				-.0419			

1501.331

DATE 11 JUN 75 TADJUTED PRESSURE DATA - 1A14A - 420.1 N  
ARC11-716 1A14 0101124512-2504110 LAMER WING

ALPHA 11 E -10.160 BETA 1 G E -0.020

SECTION 10 LAMER WING DEPENDENT VARIABLE C

Y 10 12490 15640 14270 15340 16410 17630 18870

1000  
500 0000  
400 -0.004 0.001 -0.005  
300 -0.009  
200 0.012  
100 -0.0206 0.0214  
000 0.059  
-100 -0.0520  
-200 0.081  
-300 -0.1749  
-400 -0.247  
-500 -0.268  
-600 -0.3033 -0.2353  
-700 -0.3553  
-800 0.340  
-900 -0.5226 -0.4412 -0.3531  
-1000 -0.453  
-1100 -0.534  
-1200 -0.4936 0.5750  
-1300 -0.5097  
-1400 -0.5722  
-1500 -0.5145

ALPHA 11 E -10.160 BETA 1 G E -0.020

SECTION 10 LAMER WING DEPENDENT VARIABLE C

Y 10 12490 15640 14270 15340 16410 17630 18870

1000  
500 -0.1762 -0.1961 0.1216 0.2700 0.1915 0.0072 0.1118  
400 -0.6274 -0.6224 -0.5355 -0.5525  
300 -0.1247  
200 -0.1347 -0.0356  
100 -0.2017 -0.6221 -0.6663 -0.5963 -0.5532  
000 -0.510  
-100 -0.0402  
-200 -0.1916  
-300 0.0516  
-400 -0.1206  
-500 -0.1206  
-600 -0.1206



PAGE 1845

00123

1144 - 1151

DEPENDENT VARIABLE C

ALPHA = 11 = -13.220 BETA(1) = 4.090

SECTION 11 SURF WING

7/8W 2893 3640 4273 5340 6733 7803 8873

17/8W 2893 3640 4273 5340 6733 7803 8873

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491-330

TABULATED PRESSURE DATA - IAI4A - VOL. 5

ARCH-716 IAI4 30+12+512+29+AT10 LOWER WING

DATE 11 JAN 75

ALPHA 1.0 -10.220 BETAS 0.0 0.0

SECTION 11 LOWER WING DEPENDENT VARIABLE C1

Y 2.0 2990 3640 4270 5340 5730 7800 8870

1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

1.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000

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(RSL133)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5  
 AR011-715 1414 01+112+512+25+AT10 LOWER WING

ALPHA (1) = -10.230 BETAD (9) = 5.080

DEPENDENT VARIABLE CP

SECTION - LOWER WING

1/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.080	-.4520					
.085	-.1225					
.096	-.0294					
.094	-.1649					
.150		-.1226	-.6149	-.6007	-.5278	
.163	.0201					
.177	-.0894					
.229	-.0896					
.246	-.0810					
.250		-.0635	-.1200	-.6326	-.5812	
.274		-.0420				
.362	.0017					
.390	-.0260					
.400		-.0685	-.1160		-.5489	
.432	-.0116					
.437	-.0285					
.530		-.1377	-.1352			
.553	-.0997					
.600				-.2427	-.6053	
.650			-.3339			
.700	-.0711		-.3447			
.725				-.3522	-.2802	
.750		-.3180				
.760		-.4491	-.4007			
.775		-.3954				
.808						
.834	-.3189		-.4020	-.5140	-.4318	
.850		-.3622				
.857						
.865	-.3186		-.3924		-.3531	
.900	-.3100		-.2884			
.905		-.3273	-.2864			
.930						
.933		-.3069				
.965	-.3202					

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 OF POOR QUALITY



DATE 11 JAN 74 TABULATED PRESSURE DATA - LALB - VOL. 5

(RB1L33)

APPROX TOL TAIL CLIP 12.25+AT10 LOWER WING

ALPHA 11.2 -10.240 BETA 11.1 - 10.110

SECTION 1 LOWER WING DEPENDENT VARIABLE CO

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8970
X/CW							
.000	-.2463	-.1003	.0662	.1340	.0303	-.0649	-.0914
.020				-.5531	-.5791	-.5508	-.4851
.030			-.1269				
.040		-.0664					
.048			-.1463				
.050	-.1977			-.5445	-.5828	-.5464	-.5037
.080				-.3398			
.085			-.1331				
.086		-.0477					
.094	-.1645						
.150		.0027		-.1359	-.6183	-.6038	-.5246
.163			-.0726				
.177							
.229	-.1068						
.246		-.0794					
.250			-.0493	-.1102	-.1564	-.6646	-.6181
.274							
.352	-.0232						
.390		-.0432					
.400			-.0477	-.0956	-.0937		-.6938
.402							
.497	-.0497						
.550				-.1703	-.1645		
.555			-.1543				
.600						-.3215	
.650					-.2588		
.700	-.1499			-.3780	-.3659		
.725						-.3930	-.2902
.750			-.3923				
.760				-.4744	-.4417		
.775			-.4652				
.808							
.834	-.4312			-.5010	-.5337	-.5123	
.850							
.857			-.4502				
.865	-.4671						
.900	-.4190			-.4630			-.4377
.905			-.3876	-.3030			
.950				-.2823			.0000
.955		-.3056					
.965	-.3325						

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(RBLJ33)

DATE 11 JAN 75 TAB. 100 PROCESSING DATA - DATA - V2.1.5  
APRIL 1976 DATA DUTY 12+512+25+AT10 LOWER WING

ALPHA 20.5 -5.240 BETA 2.2 -7.960

SECTION 1 (LOWER WING) DEPENDENT VARIABLE C<sub>D</sub>

1/5W .2930 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0074	-.0859	.3149	.5586	.4949	.4182	.4601
.020				-.5558	-.5530	-.6315	-.5795
.030			-.2793				
.040		-.0779					
.048			-.2267				
.050	-.0959			-.5099	-.5567	-.5770	-.5363
.080				-.4325			
.095			-.1349				
.096		-.0920					
.094	-.0920						
.150				-.0800	-.3242	-.4556	-.5264
.163		.0731					
.177			.0874				
.229	-.0432	.0202		-.0090	-.3045	-.3197	-.4097
.246			.0949				
.250							
.274	.0217	.1345		.1666	.0708		-.3309
.362			-.0299	.2813	.2005		
.390			.3289				-.2700
.400							
.402	.1895			-.1076	-.0836	.0238	
.497							
.550							
.565							
.600							
.650							
.700	.4204						
.725							
.750			-.2284	-.2556	-.1831	-.1269	-.2010
.760							
.775			-.3689				
.808							
.834	-.2632			-.4481	-.3467	-.2670	
.850			-.4456				
.857							
.865	-.3227			-.5515			-.2995
.900	-.4224		-.5638	-.5143			
.905				-.6000			.0000
.950			-.6190				
.955	-.4509						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ASC11-716 1A14 01-712-512N25+AT10 LOWER WING (881133)

ALPHA(2) = -0.240 BETA(3) = -5.960

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
1/204							
.000	-.0553	-.1352	.2555	.5014	.4335	.3614	.4124
.021			-.2927	-.5968	-.5416	-.5447	-.4625
.030		-.1118					
.042			-.2386				
.074				-.5497	-.5416	-.5327	-.4476
.080		-.1262		-.5421			
.083			-.1703				
.096		-.0379					
.094		-.1487		-.1115	-.4012	-.4680	-.4481
.143		.0592					
.143			.0501				
.177							
.200	-.0723						
.216		-.0107		-.0216	-.3451	-.3988	-.4188
.213			.0872				
.274							
.302	.0026	.1198		.1329	.0434		-.3654
.393							
.402			-.0358				
.497	.1777			.2511	.2067		
.550			.2931				
.565							-.3559
.600					.0424		
.650							
.700	.3703			-.1251	-.0986		
.725						-.1083	-.3341
.750			-.2399				
.760				-.2743	-.2016		
.775			-.3530				
.808							
.834	-.2559			-.4603	-.3656	-.2764	
.850			-.4489				
.857							
.865	-.3180			-.3586			-.3693
.900	-.3956					-.3234	
.903			-.5633		-.5009		.0000
.950							
.953			-.6158				
.965	-.4238						



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TABLED BY SOURCE DATA - TAILA - VOL. 5  
AC011-716 TAILA 11-12-512423-110 LOWER WING

AC011-716 TAILA 11-12-512423-110 LOWER WING

DEPENDENT VARIABLE CR

INDEPENDENT VARIABLE CR

1/4- .2430 .3640 .4273 .5340 .6750 .7800 .8870

1/4-

.0000 -.0002 -.1776 .1949 .4435 .3733 .3175 .3524

.0200 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.0400 .0400 .0400 .0400 .0400 .0400 .0400 .0400

.0500 .0500 .0500 .0500 .0500 .0500 .0500 .0500

.0600 .0600 .0600 .0600 .0600 .0600 .0600 .0600

.0700 .0700 .0700 .0700 .0700 .0700 .0700 .0700

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.1200 .1200 .1200 .1200 .1200 .1200 .1200 .1200

.1300 .1300 .1300 .1300 .1300 .1300 .1300 .1300

.1400 .1400 .1400 .1400 .1400 .1400 .1400 .1400

.1500 .1500 .1500 .1500 .1500 .1500 .1500 .1500

.1600 .1600 .1600 .1600 .1600 .1600 .1600 .1600

.1700 .1700 .1700 .1700 .1700 .1700 .1700 .1700

.1800 .1800 .1800 .1800 .1800 .1800 .1800 .1800

.1900 .1900 .1900 .1900 .1900 .1900 .1900 .1900

.2000 .2000 .2000 .2000 .2000 .2000 .2000 .2000

.2100 .2100 .2100 .2100 .2100 .2100 .2100 .2100

.2200 .2200 .2200 .2200 .2200 .2200 .2200 .2200

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.4800 .4800 .4800 .4800 .4800 .4800 .4800 .4800

(881L33)

DATE 31 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

A PHASE 2) = -8.250 BETA5 (5) = -1.990

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

X	Y	Z	W	V	U	T	S	R	Q	P	O	N	M	L	K	J	I	H	G	F	E	D	C	B	A
23300	3640	4270	5340	6750	7800	8870																			

0.00	-1.280	2177	1422	3915	3210	2640	3100																			
0.20				-5837	-5753	-5337	-5056																			
0.40				-2441																						
0.60				-2030																						
0.80																										
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10.00																										









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148.410-95500-004 - 144 - 00.5

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[illegible]

SECRET

[illegible]

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1938

1963 - 1964 - 1965 - 1966 - 1967

64527-1

500' - 5010'

City  
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-086

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222			
0280			

1100 - 0211

1010 200

0697  
-SIG-  
0660

439 .0089

2640 - .0732

-1145

[illegible]

- 1266

[illegible]

334 - 3702

450  
- .5071

977	- .3459	- .4224	- .2465
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-.2993  
- .0333

**CONCLUSIONS**

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DATE 11 JAN 79 TABULATED PRESSURE DATA - IATA - VOL. 2  
 ARC11-716 IATA 21+112512H250AT10 LOWER WING (R01.33)

ALPHA 81 = -0.820 BETAS (9) = 6.050

SECTION - LOWER WING	DEPENDENT VARIABLE C0
1700	
1710	-0.2654
1720	-0.0861
1730	-0.1309
1740	-0.2922
1750	-0.4719
1760	-0.6024
1770	-0.6554
1780	-0.6829
1790	-0.6961
1800	-0.6961
1810	-0.6829
1820	-0.6554
1830	-0.6024
1840	-0.4719
1850	-0.2922
1860	-0.1309
1870	-0.0861
1880	-0.2654
1890	-0.0861
1900	-0.1309
1910	-0.2922
1920	-0.4719
1930	-0.6024
1940	-0.6554
1950	-0.6829
1960	-0.6961
1970	-0.6961
1980	-0.6829
1990	-0.6554
2000	-0.6024
2010	-0.4719
2020	-0.2922
2030	-0.1309
2040	-0.0861
2050	-0.2654
2060	-0.0861
2070	-0.1309
2080	-0.2922
2090	-0.4719
2100	-0.6024
2110	-0.6554
2120	-0.6829
2130	-0.6961
2140	-0.6961
2150	-0.6829
2160	-0.6554
2170	-0.6024
2180	-0.4719
2190	-0.2922
2200	-0.1309
2210	-0.0861
2220	-0.2654
2230	-0.0861
2240	-0.1309
2250	-0.2922
2260	-0.4719
2270	-0.6024
2280	-0.6554
2290	-0.6829
2300	-0.6961
2310	-0.6961
2320	-0.6829
2330	-0.6554
2340	-0.6024
2350	-0.4719
2360	-0.2922
2370	-0.1309
2380	-0.0861
2390	-0.2654
2400	-0.0861
2410	-0.1309
2420	-0.2922
2430	-0.4719
2440	-0.6024
2450	-0.6554
2460	-0.6829
2470	-0.6961
2480	-0.6961
2490	-0.6829
2500	-0.6554
2510	-0.6024
2520	-0.4719
2530	-0.2922
2540	-0.1309
2550	-0.0861
2560	-0.2654
2570	-0.0861
2580	-0.1309
2590	-0.2922
2600	-0.4719
2610	-0.6024
2620	-0.6554
2630	-0.6829
2640	-0.6961
2650	-0.6961
2660	-0.6829
2670	-0.6554
2680	-0.6024
2690	-0.4719
2700	-0.2922
2710	-0.1309
2720	-0.0861
2730	-0.2654
2740	-0.0861
2750	-0.1309
2760	-0.2922
2770	-0.4719
2780	-0.6024
2790	-0.6554
2800	-0.6829
2810	-0.6961
2820	-0.6961
2830	-0.6829
2840	-0.6554
2850	-0.6024
2860	-0.4719
2870	-0.2922
2880	-0.1309
2890	-0.0861
2900	-0.2654
2910	-0.0861
2920	-0.1309
2930	-0.2922
2940	-0.4719
2950	-0.6024
2960	-0.6554
2970	-0.6829
2980	-0.6961
2990	-0.6961
3000	-0.6829
3010	-0.6554
3020	-0.6024
3030	-0.4719
3040	-0.2922
3050	-0.1309
3060	-0.0861
3070	-0.2654
3080	-0.0861
3090	-0.1309
3100	-0.2922
3110	-0.4719
3120	-0.6024
3130	-0.6554
3140	-0.6829
3150	-0.6961
3160	-0.6961
3170	-0.6829
3180	-0.6554
3190	-0.6024
3200	-0.4719
3210	-0.2922
3220	-0.1309
3230	-0.0861
3240	-0.2654
3250	-0.0861
3260	-0.1309
3270	-0.2922
3280	-0.4719
3290	-0.6024
3300	-0.6554
3310	-0.6829
3320	-0.6961
3330	-0.6961
3340	-0.6829
3350	-0.6554
3360	-0.6024
3370	-0.4719
3380	-0.2922
3390	-0.1309
3400	-0.0861
3410	-0.2654
3420	-0.0861
3430	-0.1309
3440	-0.2922
3450	-0.4719
3460	-0.6024
3470	-0.6554
3480	-0.6829
3490	-0.6961
3500	-0.6961
3510	-0.6829
3520	-0.6554
3530	-0.6024
3540	-0.4719
3550	-0.2922
3560	-0.1309
3570	-0.0861
3580	-0.2654
3590	-0.0861
3600	-0.1309
3610	-0.2922
3620	-0.4719
3630	-0.6024
3640	-0.6554
3650	-0.6829
3660	-0.6961
3670	-0.6961
3680	-0.6829
3690	-0.6554
3700	-0.6024
3710	-0.4719
3720	-0.2922
3730	-0.1309
3740	-0.0861
3750	-0.2654
3760	-0.0861
3770	-0.1309
3780	-0.2922
3790	-0.4719
3800	-0.6024
3810	-0.6554
3820	-0.6829
3830	-0.6961
3840	-0.6961
3850	-0.6829
3860	-0.6554
3870	-0.6024
3880	-0.4719
3890	-0.2922
3900	-0.1309
3910	-0.0861
3920	-0.2654
3930	-0.0861
3940	-0.1309
3950	-0.2922
3960	-0.4719
3970	-0.6024
3980	-0.6554
3990	-0.6829
4000	-0.6961



STATISTICS - DATA - ANALYSIS

[illegible]

4-14-2 = -8.23 32743 16 3.10

DEPENDENT VARIABLE: C

6682	6798	6727	6785	6687	6780
7044	6998	6927	6985	6887	6980

 $\mu_j/\lambda_j$ 

	900	- .3269	-.0760	.1114	.2367	.1187	.0156	.0417
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1100 - 660

SECRET

.097  
- .249

- .068  
.097

1053 - 1000  
1034 - 1000

946

.223 -.0936

.290	-.0717	-.0972	-.5839	-.5452
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ICIC 296

ECU	-.0574	-.0574	-.0574
28.5	-.5752		

1216-497

9911

1957 - 1958 - 1959 - 1960 - 1961 - 1962 - 1963 - 1964 - 1965 - 1966 - 1967 - 1968 - 1969 - 1970 - 1971 - 1972 - 1973 - 1974 - 1975 - 1976 - 1977 - 1978 - 1979 - 1980 - 1981 - 1982 - 1983 - 1984 - 1985 - 1986 - 1987 - 1988 - 1989 - 1990 - 1991 - 1992 - 1993 - 1994 - 1995 - 1996 - 1997 - 1998 - 1999 - 2000 - 2001 - 2002 - 2003 - 2004 - 2005 - 2006 - 2007 - 2008 - 2009 - 2010 - 2011 - 2012 - 2013 - 2014 - 2015 - 2016 - 2017 - 2018 - 2019 - 2020 - 2021 - 2022 - 2023 - 2024 - 2025 - 2026 - 2027 - 2028 - 2029 - 2030 - 2031 - 2032 - 2033 - 2034 - 2035 - 2036 - 2037 - 2038 - 2039 - 2040 - 2041 - 2042 - 2043 - 2044 - 2045 - 2046 - 2047 - 2048 - 2049 - 2050 - 2051 - 2052 - 2053 - 2054 - 2055 - 2056 - 2057 - 2058 - 2059 - 2060 - 2061 - 2062 - 2063 - 2064 - 2065 - 2066 - 2067 - 2068 - 2069 - 2070 - 2071 - 2072 - 2073 - 2074 - 2075 - 2076 - 2077 - 2078 - 2079 - 2080 - 2081 - 2082 - 2083 - 2084 - 2085 - 2086 - 2087 - 2088 - 2089 - 2090 - 2091 - 2092 - 2093 - 2094 - 2095 - 2096 - 2097 - 2098 - 2099 - 2100 - 2101 - 2102 - 2103 - 2104 - 2105 - 2106 - 2107 - 2108 - 2109 - 2110 - 2111 - 2112 - 2113 - 2114 - 2115 - 2116 - 2117 - 2118 - 2119 - 2120 - 2121 - 2122 - 2123 - 2124 - 2125 - 2126 - 2127 - 2128 - 2129 - 2130 - 2131 - 2132 - 2133 - 2134 - 2135 - 2136 - 2137 - 2138 - 2139 - 2140 - 2141 - 2142 - 2143 - 2144 - 2145 - 2146 - 2147 - 2148 - 2149 - 2150 - 2151 - 2152 - 2153 - 2154 - 2155 - 2156 - 2157 - 2158 - 2159 - 2160 - 2161 - 2162 - 2163 - 2164 - 2165 - 2166 - 2167 - 2168 - 2169 - 2170 - 2171 - 2172 - 2173 - 2174 - 2175 - 2176 - 2177 - 2178 - 2179 - 2180 - 2181 - 2182 - 2183 - 2184 - 2185 - 2186 - 2187 - 2188 - 2189 - 2190 - 2191 - 2192 - 2193 - 2194 - 2195 - 2196 - 2197 - 2198 - 2199 - 2200 - 2201 - 2202 - 2203 - 2204 - 2205 - 2206 - 2207 - 2208 - 2209 - 2210 - 2211 - 2212 - 2213 - 2214 - 2215 - 2216 - 2217 - 2218 - 2219 - 2220 - 2221 - 2222 - 2223 - 2224 - 2225 - 2226 - 2227 - 2228 - 2229 - 2230 - 2231 - 2232 - 2233 - 2234 - 2235 - 2236 - 2237 - 2238 - 2239 - 2240 - 2241 - 2242 - 2243 - 2244 - 2245 - 2246 - 2247 - 2248 - 2249 - 2250 - 2251 - 2252 - 2253 - 2254 - 2255 - 2256 - 2257 - 2258 - 2259 - 2260 - 2261 - 2262 - 2263 - 2264 - 2265 - 2266 - 2267 - 2268 - 2269 - 2270 - 2271 - 2272 - 2273 - 2274 - 2275 - 2276 - 2277 - 2278 - 2279 - 2280 - 2281 - 2282 - 2283 - 2284 - 2285 - 2286 - 2287 - 2288 - 2289 - 2290 - 2291 - 2292 - 2293 - 2294 - 2295 - 2296 - 2297 - 2298 - 2299 - 2300 - 2301 - 2302 - 2303 - 2304 - 2305 - 2306 - 2307 - 2308 - 2309 - 2310 - 2311 - 2312 - 2313 - 2314 - 2315 - 2316 - 2317 - 2318 - 2319 - 2320 - 2321 - 2322 - 2323 - 2324 - 2325 - 2326 - 2327 - 2328 - 2329 - 2330 - 2331 - 2332 - 2333 - 2334 - 2335 - 2336 - 2337 - 2338 - 2339 - 2340 - 2341 - 2342 - 2343 - 2344 - 2345 - 2346 - 2347 - 2348 - 2349 - 2350 - 2351 - 2352 - 2353 - 2354 - 2355 - 2356 - 2357 - 2358 - 2359 - 2360 - 2361 - 2362 - 2363 - 2364 - 2365 - 2366 - 2367 - 2368 - 2369 - 2370 - 2371 - 2372 - 2373 - 2374 - 2375 - 2376 - 2377 - 2378 - 2379 - 2380 - 2381 - 2382 - 2383 - 2384 - 2385 - 2386 - 2387 - 2388 - 2389 - 2390 - 2391 - 2392 - 2393 - 2394 - 2395 - 2396 - 2397 - 2398 - 2399 - 2400 - 2401 - 2402 - 2403 - 2404 - 2405 - 2406 - 2407 - 2408 - 2409 - 2410 - 2411 - 2412 - 2413 - 2414 - 2415 - 2416 - 2417 - 2418 - 2419 - 2420 - 2421 - 2422 - 2423 - 2424 - 2425 - 2426 - 2427 - 2428 - 2429 - 2430 - 2431 - 2432 - 2433 - 2434 - 2435 - 2436 - 2437 - 2438 - 2439 - 2440 - 2441 - 2442 - 2443 - 2444 - 2445 - 2446 - 2447 - 2448 - 2449 - 2450 - 2451 - 2452 - 2453 - 2454 - 2455 - 2456 - 2457 - 2458 - 2459 - 2460 - 2461 - 2462 - 2463 - 2464 - 2465 - 2466 - 2467 - 2468 - 2469 - 2470 - 2471 - 2472 - 2473 - 2474 - 2475 - 2476 - 2477 - 2478 - 2479 - 2480 - 2481 - 2482 - 2483 - 2484 - 2485 - 2486 - 2487 - 2488 - 2489 - 2490 - 2491 - 2492 - 2493 - 2494 - 2495 - 2496 - 2497 - 2498 - 2499 - 2500 - 2501 - 2502 - 2503 - 2504 - 2505 - 2506 - 2507 - 2508 - 2509 - 2510 - 2511 - 2512 - 2513 - 2514 - 2515 - 2516 - 2517 - 2518 - 2519 - 2520 - 2521 - 2522 - 2523 - 2524 - 2525 - 2526 - 2527 - 2528 - 2529 - 2530 - 2531 - 2532 - 2533 - 2534 - 2535 - 2536 - 2537 - 2538 - 2539 - 2540 - 2541 - 2542 - 2543 - 2544 - 2545 - 2546 - 2547 - 2548 - 2549 - 2550 - 2551 - 2552 - 2553 - 2554 - 2555 - 2556 - 2557 - 2558 - 2559 - 2560 - 2561 - 2562 - 2563 - 2564 - 2565 - 2566 - 2567 - 2568 - 2569 - 2570 - 2571 - 2572 - 2573 - 2574 - 2575 - 2576 - 2577 - 2578 - 2579 - 2580 - 2581 - 2582 - 2583 - 2584 - 2585 - 2586 - 2587 - 2588 - 2589 - 2590 - 2591 - 2592 - 2593 - 2594 - 2595 - 2596 - 2597 - 2598 - 2599 - 2600 - 2601 - 2602 - 2603 - 2604 - 2605 - 2606 - 2607 - 2608 - 2609 - 2610 - 2611 - 2612 - 2613 - 2614 - 2615 - 2616 - 2617 - 2618 - 2619 - 2620 - 2621 - 2622 - 2623 - 2624 - 2625 - 2626 - 2627 - 2628 - 2629 - 2630 - 2631 - 2632 - 2633 - 2634 - 2635 - 2636 - 2637 - 2638 - 26

	1968	1969	1970
... ..	-169	-2105	.3600

.79 .431 -.0279

.036 -.0270

66-419

.922	- .4125	- .4686	- .3932
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CCC' - 2005

886-44

TABULATED PRESSURE DATA - 1A14A - VOL. 5

19011331

WBC11-716 1A14 01+Y12+S12N25+AT12 LOWER WING

$$\alpha(\text{PMAC}) (2) = -0.220 \quad \text{BETAD} (11) = 10.130$$

SECTION (LOWER WING

DEPENDENT VARIABLE CF

Y/B/W	.5990	.5640	.4270	.5340	.6730	.7800	.8870
Y/C/W							
.000	-.3398	-.0914	.0681	.1877	.0849	-.0261	.0324
.020				-.5080	-.5632	-.5204	-.4570
.030			-.0741				
.040		-.0594					
.049			-.0731				
.050	-.2478			-.3558	-.5697	-.5256	-.4616
.080				-.1991			
.095			-.0685				
.096		-.0373					
.094	-.1879						
.150							
.163		.0197		-.1159	-.4434	-.5736	-.4895
.177			-.0439				
.229	-.1143						
.246		-.0542		-.0765	-.1079	-.5538	-.5183
.250							
.274			-.0294				
.352	-.0160						
.390		-.0209		-.0730	-.1183		-.5423
.400							
.402			-.0273				
.497	-.0305						
.550				-.1640	-.1856		
.565			-.1429				-.1771
.600						-.2398	
.650							
.700	-.1304			-.3870	-.3341		
.725							
.750							
.760			-.3772				
.775				-.4414	-.3967		
.808			-.4468				
.834	-.4146						
.850							
.897			-.4411	-.4812	-.4750	-.4855	
.865	-.4556						
.900	-.4081			-.4120			-.4196
.935			-.3715		-.2817		
.940				-.2582		.0000	
.953		-.2844					
.965	-.3174						

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 3  
 ASC11-716 IAL4 01+112+512N25+AT10 LOWER WING (881.33)

ALPHA (1) = -6.280 BETA (1) = -9.970

SECTION 1 (IN) LOWER WING		DEPENDENT VARIABLE CP	
Y/B	X/CW		
.2990	.0346	.4270	.5340
.003	-.0337	.3918	.6424
.020			.6009
.030		-.1374	.5377
.040	-.0203		.5649
.048		-.0301	-.5075
.050	-.0606		
.080		-.4214	-.5122
.085		-.2360	-.5864
.086	.0002		
.094	-.0184	-.1094	
.150			
.163	.1378	.0657	-.1517
.177			-.4373
.229	-.0303	.1712	-.5376
.245	.0596		
.250		.0228	-.0930
.274			-.1221
.362	.0359	.1354	-.3322
.390	.1764		
.400		.3361	.2693
.402		.1983	-.1002
.497	.2315		
.550		.3298	.2227
.565		.3887	
.600			.1242
.650			.0863
.700	.4943	-.0411	
.725		-.0765	
.750			-.0934
.760			-.0390
.775		-.1975	
.808		-.2242	-.1530
.834	-.2956	-.3880	
.850			
.857		-.4206	-.3121
.865		-.4663	-.2429
.900	-.3549		
.909	-.4881	-.5350	-.2511
.905		-.5378	-.4861
.950		-.6027	.0000
.953		-.6447	
.965	-.6041		

(RBIL33)

ARC11-716 1A14 01+112+512M25+AT1D LOWER WING

ALPHA( 3 ) = -0.280 BETA( 2 ) = -7.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0019	-.0673	.3459	.5922	.5557	.4923	.5341
.020				-.5314	-.5408	-.5505	-.5251
.030					-.1685		
.040			-.0444				
.049				-.0931			
.050	-.0889			-.4618	-.4789	-.5154	-.5829
.060					-.3047		
.085				-.1181			
.095			-.0703				
.094	-.0745						
.150				.0533	-.1642	-.3881	-.5442
.153			.0883				
.177					.1427		
.229	-.0427						
.245			.0276				
.250				.0074	-.1156	-.1676	-.3192
.274					.1280		
.362	.0148						
.393			.1765				
.400				.2992	.2192		-.1319
.402			.1575				
.437	.2172						
.550				.2914	.1995		
.555			.3564				
.600							.1032
.650					-.0366		
.700	.4588			-.1141			
.725						-.1123	-.0669
.750							
.760			-.2175				
.775				-.2659	-.1621		
.808			-.4024				
.834	-.3011						
.850				-.4637	-.3273	-.2606	
.857			-.4631				
.865	-.3359						-.2695
.900	-.4829			-.5769	-.4984		
.905				-.5651			
.950				-.6440		.0000	
.953			-.6486				
.965	-.5748						





(R81133)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IATA - VOL. 3  
 ARC11-716 IATA 01-12-312425 RATIO LOWER WING

ALPHA (3) = -0.300 BETA (3) = -5.000

SECTION 1 LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .000 -.0442 -.1142 .2970 .5373 .5089 .4475 .4878  
 .020 .020 .030 .040 .048 .050 .080 .085 .096 .094 .150 .163 .177 .229 .246 .250 .274 .362 .390 .400 .402 .497 .497 .553 .553 .600 .650 .700 .725 .750 .760 .775 .800 .834 .850 .857 .853 .900 .905 .950 .953 .955

-.0442 -.1142 .2970 .5373 .5089 .4475 .4878  
 -.5252 -.4845 -.5335 -.5420  
 -.2241  
 -.0781  
 -.1496  
 -.4568 -.4742 -.5242 -.5422  
 -.3516  
 -.1493  
 -.0857  
 -.1189  
 .0642 .1370  
 -.0001  
 .0153 -.1717 -.2376 -.2948  
 .1243  
 .0842  
 .3259  
 -.0758  
 -.1043  
 -.2303  
 -.2498 -.1759  
 -.3995  
 -.4594  
 -.4409 -.3407 -.2772  
 -.5482  
 -.5695  
 -.6084  
 -.6492

.7800 .8870  
 .0398  
 -.1303 -.0817  
 -.2019  
 -.5095  
 .0000  
 -.5561

DATE 11 JAN 75 TAPULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L33)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA(3) = -6.260 RETAD (4) = -3.980

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW	.2930	.3640	.4270	.5340	.6730	.7800	.8870
Z/CW							
.000	-.0781	-.1421	.2420	.4853	.4656	.3975	.4374
.020				-.4932	-.5783	-.5892	-.5650
.030			-.1937				
.040		-.1204					
.050			-.1497				
.060	-.1622			-.4392	-.4968	-.5320	-.5856
.070				-.0793			
.080		-.1622					
.090		-.0877					
.100	-.1395						
.110				.0425	-.2552	-.3743	-.5567
.120		.0526					
.130			.1511				
.140	-.1348						
.150		-.0275					
.160				-.0116	-.1807	-.2846	-.3582
.170	.1032						
.180							
.190	.0205			.2023	.1308		-.2065
.200		.1438					
.210			.0515				
.220	.1951			.2499	.1743		
.230		.2824					
.240							.0540
.250					.0222		
.260	.3516			-.1221	-.0951		
.270						-.1478	-.1016
.280		-.2402					
.290			-.3763	-.2689	-.1991		
.300							
.310	-.2480			-.4549	-.3614	-.2925	
.320			-.4470				
.330							
.340	-.3028						-.2973
.350	-.3877			-.5560			
.360		-.5542		-.5221			
.370			-.6013				.0000
.380	-.957						
.390	-.953		-.6063				
.400	-.965	-.4098					







DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RBL33)

AR311-716 IAI4 014112+512+25+AT10 LOWER WING

ALPHA (3) = -6.330 BETAS (7) = 4.070

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8970

X/CW

.000	-.2284	-.0709	.2260	.3695	.2576	.1817	.2673
.020				-.4538	-.6377	-.6224	-.5069
.030			.0310				
.040		-.0211					
.048			-.0130				
.050	-.2289		-.2747	-.6079	-.5941	-.4945	
.060			-.1836				
.065		-.0279					
.066		.0149					
.074	-.2313						
.150		.0816		-.1111	-.2436	-.5149	-.5134
.163			-.0133				
.177							
.229	-.0797	-.0070					
.245				-.0496	-.1124	-.3743	-.4865
.250			.0064				
.274	.0396	.0237					
.362							
.390			.0211	-.0129	-.0719		-.4047
.400							
.432	.0248			-.0950	-.0801		
.497			-.0494				
.550							.0671
.565							
.600				-.0276			
.650				-.1432			
.700	-.0136			-.2926		-.2007	-.1208
.725			-.2869				
.750				-.3420	-.2746		
.760			-.3914				
.775							
.808							
.834	-.8027			-.4420	-.4250	-.3560	
.850			-.3317				
.897							
.865	-.3160						-.3362
.930	-.2914			-.4391	-.4855		
.935			-.3132				
.940				-.2936			.0000
.955			-.2851				
.945	-.3021						

(881L33)

ARC11-716 1A14 01\*112+S12N25+AT10 LOWER WING

ALPHA(D) = -0.360 BETA(D) = 6.050

SECTION / LOWER WING DEPENDENT VARIABLE C<sub>F</sub>

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/C							
.000	-.2927	-.0769	.1366	.3338	.2591	.1606	.1928
.020			.0301	-.4042	-.5555	-.5450	-.5252
.030							
.040		-.0284					
.060			-.0391				
.080		-.2755		-.1723	-.5842	-.5473	-.5216
.095				-.1109			
.096			-.0242				
.104		.0392					
.124	-.2086						
.150		.0645		-.0360	-.1463	-.4878	-.5441
.165			.0013				
.177							
.229	-.1335						
.245		-.0231					
.250				-.0144	-.1163	-.3233	-.5180
.274			.0174				
.362	.0130						
.363		.0231					
.400				-.0265	-.0855		-.3907
.412			.0231				
.497	.0146						
.500				-.1061	-.1271		
.545			-.0719				-.1142
.600					-.3096		
.650						-.1829	
.700	-.0375						
.725				-.3480			
.750						-.2815	-.1826
.760			-.3472				
.775				-.4218	-.3778		
.800			-.4672				
.814	-.3871						
.850				-.4907	-.4750	-.4156	
.857			-.4754				
.855	-.4347						-.3759
.900	-.3386			-.4905			
.905			-.4098		-.3132		
.950				-.2762		.0000	
.955			-.2754				
.965	-.3277						



(R81.33)

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 AIRCRAFT AIR 11+12+512+5+110 LOWER WING

ALPHA 3.12 -6.270 9ETAD 19-1 5.100

SPECTRUM 1 LOWER WING DEPENDENT VARIABLE C0

1/2W .2890 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.000	-.3482	-.0531	.1242	.2351	.1852	.0966	.1276
.020				-.4161	-.5829	-.5111	-.4597
.030				-.5085			
.040		.0517					
.048			-.0422				
.051	-.3054			-.2045	-.5777	-.5077	-.4636
.080				-.1169			
.085			-.0440				
.086		.0220					
.094	-.2110						
.150				-.0756	-.1410	-.5032	-.4786
.163		.0523					
.177			-.0163				
.229	-.0375						
.246		-.0242					
.250				-.0296	-.0749	-.3139	-.4929
.274			.0060				
.362	.0219						
.370		.0116					
.400				-.0219	-.0773		-.4356
.402			.0140				
.497	.0105						
.550				-.1222	-.1497		
.565			-.0370				
.600							-.1204
.650					-.2316		
.700	-.0649			-.3356			
.725						-.3364	-.2738
.750			-.3641				
.760				-.4323	-.4064		
.775			-.4431				
.808							
.834	-.5979			-.4391	-.4933	-.4639	
.853			-.4773				
.857							
.865	-.4455						-.4129
.911	-.4773			-.4312			
.935			-.4084		-.2758		
.950				-.2743			.0000
.953			-.2840				
.965	-.5203						

(581133)

ARC11-716 1A14 01-712-512N25-AT10 LOWER WING

ALPHAD (3) = -6.260 BETAD (10) = 10.090

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/CW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	-.3573	-.0764	.0647	.1937 .1600 .0342 .1002
.020				-.3688 -.5541 -.4995 -.4457
.030			-.0316	
.040		-.0410		
.048			-.0221	
.050	-.3916		-.1180	-.5449 -.5006 -.4434
.060			-.1113	
.085			-.0276	
.086		-.0104		
.094	-.2148			
.150		.0456		-.0599 -.1218 -.5001 -.4474
.163			-.0114	
.177	-.1129			
.229		-.0326		
.246				-.0304 -.0853 -.2008 -.4645
.250		.0013		
.274	.0050			
.362		.0060		
.370				-.0437 -.0971 -.3628
.400		-.0039		
.402	-.0028			
.497			-.1457 -.1810	
.550		-.1252		
.565				-.2412
.600			-.3239	-.1300
.650				
.700	-.1067		-.3746	
.725				
.750		-.3579		-.3557 -.2911
.760			-.4236 -.3852	
.775		-.4308		
.808				
.834	-.3904		-.4790 -.4486 -.4652	
.850		-.4454		
.857				
.865	-.4479			
.900	-.4034		-.4377	-.4338
.905		-.3772	-.2634	
.925			-.2407	.0000
.950		-.2707		
.955	-.3117			





DATE 11 JAN 75

TABULATED PRESSURE DATA - IA104 - VOL. 5

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ARC11-716 IA14 01+712+512+25+AT10 LOWER WING

(R01L33)

ALPHA(4) = -4.200 BETA(1) = -9.900

SECTION 1 (LOWER WING)		DEPENDENT VARIABLE CP	
Y/BW	Z/CW		
.2000	.3640	.4270	.5340 .6730 .7000 .0070
.000	.0322	.0299	.4156 .7234 .6630 .5993 .6342
.020			-.2914 -.4230 -.4949 -.4270
.030			.0610
.040			-.0259
.048			-.0177
.050			-.1205 -.3301 -.4255 -.4631
.060			-.0305
.085			.2637
.086			.0071
.094			-.0190
.150			.1725
.163			.0004 -.0154 -.2163 -.4126
.177			.1049
.229			-.0331
.246			.2473
.250			
.274			.1524
.362	.0747	.2040	.0331 -.0325 .1614 -.0761
.390			.3440
.400			.3762 .3309 .2459
.402			
.497	.2306		.4105
.550			.3452 .2550
.565			
.600			
.650			
.700	.5195		.1115
.725			-.0795
.750			-.0277
.760			-.0990 -.0724
.775			-.1927
.800			-.2271 -.1300
.834			-.3033
.850	-.2001		
.857			-.4370 -.3054 -.2370
.865			-.4731
.900	-.3401		
.900	-.4030		-.5550
.905			-.2016
.930			-.5549
.935			-.4070
.955			-.6196
.965	-.6102		.0000
			-.6486

(R01L33)

ARC11-716 1A14 01012+51225+AT10 LOWER WING

ALPHA=0.45 BETA=0.250 BETA2 (2) = -7.990

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
1/CM							
.000	.0000	-.0596	.3631	.6842	.6279	.5590	.5364
.020				-.2871	-.4365	-.4964	-.4364
.050			.0143				
.100		-.0280					
.148			.0003				
.200	-.0961			-.1331	-.3509	-.4431	-.5084
.280				-.0440			
.385			.1407				
.506		-.0124					
.694	-.0463						
.100				.0505	-.0237	-.2548	-.4243
.165		.1371					
.177			.1620				
.229	-.0492						
.246		.2296					
.290				.0214	-.0662	.0444	-.1246
.274			.1439				
.362	.0438						
.390		.1961					
.400				.3350	.3183		.2174
.402			.3052				
.487	.2295			.3266	.2392		
.550			.3843				
.565							.5213
.600					-.0323	.0793	
.650	.4881			-.0852			
.700						-.1103	-.0774
.725							
.750							
.760			-.2020	-.2422	-.1406		
.775							
.800			-.3851				
.834	-.2804						
.850				-.4494	-.3122	-.2630	
.857			-.4857				
.865	-.3426						
.900	-.4792			-.5647	-.4910		-.2883
.908							
.950				-.6279		.0000	
.993				-.6384			
.965	-.3767						



## ARC11-716 1A14 DISTORTED/STRESS/ATED LOWER WING

(R91L33)

ALPHA=0.415 -4.180 REYNOLDS = -5.970

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/B	.2890	.3640	.4270	.5340	.6750	.7000	.8070
Y/C <sub>d</sub>							
.000	-.0333	-.0862	.3475	.6402	.5836	.5137	.5540
.020				-.2937	-.4535	-.5234	-.4610
.030			.0210				
.040		-.0640					
.060			-.0260				
.080	-.1067			-.1479	-.3812	-.4652	-.5215
.100				-.0791			
.120			.0475				
.140		-.0144					
.160	-.0859			.0327	-.0607	-.2399	-.4471
.180							
.200		.1410					
.220	-.0825		.1377				
.240		.1817					
.260				-.0012	-.0912	-.0190	-.1370
.280			.1222				
.300	.0744						
.320		.1764					
.340			.2535	.3040	.3017		.2046
.360							
.380	.2084		.3567	.3062	.2262		
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							

(R8:L33)

ARC11-716 1A14 01+712+512N23+AT10 LOWER WING

ALPHA( 4 ) = -4.170 BETA( 4 ) = -3.950

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0757	-.1413	.3123	.5914	.5409	.4670	.5047
.020				-.3223	-.4815	-.5394	-.4854
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.034							
.150							
.153							
.177							
.229							
.246							
.250							
.274							
.352							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							



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TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(RB1L33)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA ( 4 ) = -4.150 BETA ( 5 ) = -2.020

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP		
Y/BW	X/CW			
.2990	.3640	.4270	.5340	.7800 .8870
.000	-.1183	-.1408	.3098	.5519 .4880 .4189 .4571
.020			-.3536	-.5055 -.5572 -.5064
.030			.0096	
.040		-.1517		
.048			-.0089	
.050	-.1976		-.1438	-.4345 -.5115 -.5476
.080			-.1082	
.085			.0062	
.086		-.0372		
.094	-.1778			
.150			-.0419	-.0715 -.2733 -.5130
.163		.1330		
.177		.0569		
.229	-.1792			
.246		.0717		
.250			-.0465	-.1244 -.1744 -.2242
.274		.0863		
.362	.1167			
.390		.1161		
.400			.1797	.2234 .0990
.402		.1076		
.497	.1491		.2396	.1942
.550		.2460		
.565				.0828
.600				.0423
.650			-.0758	
.700	.2896		-.1441	
.725				-.1350 -.1102
.750		-.2226		
.760		-.2898	-.1810	
.775		-.3439		
.808				
.814	-.2401		-.4804	-.3531 -.2959
.850		-.4486		
.857				
.865	-.3105		-.5793	
.900	-.3640		-.5793	-.3117
.905		-.5535	-.5186	
.950		-.6190		.0000
.953		-.5773		
.965	-.3672			

(R81L33)

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA(4) = -4.000 BETA(6) = -.010

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	X/CW				
.2990	.3640	.4270	.5340	.6730	.8870
.000	-.1481	-.1230	.3108	.5174	.4367
.020				.3673	.4070
.030			-.2900	-.5220	-.5764
.040			.1596		-.5283
.048		-.1266			
.050			.0447		
.080	-.2103		-.1986	-.4534	-.5212
.095			-.1620		-.5427
.096			.0873		
.094	-.2116				
.150				-.0488	-.0993
.163		.1651		-.2798	-.5194
.177			.0251		
.229	-.1865				
.245		.0798			
.250			-.0499	-.1210	-.1734
.274			.0642		-.2750
.362	.1126				
.390		.0386			
.400			.0986	.0829	.0602
.402		.1080			
.497	.1113			.1840	.1755
.550		.1332			
.565					
.600					
.650					.0707
.700	.1747		-.0964		.0262
.725			-.1730		
.750					-.1436
.760		-.2328			-.1169
.775			-.3113	-.2029	
.808		-.3514			
.834	-.2262				
.850			-.4887	-.3706	-.3114
.857		-.4488			
.865	-.3204				
.900	-.3268		-.5788		-.3210
.905		-.3591	-.5302		
.950		-.5981		.0000	
.953		-.4182			
.965	-.3040				



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TABULATED PRESSURE DATA - IAI4A - VOL. 5

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ARC11-716 IAI4 01+712+512+25+AT1D LOWER WING

(RB1L33)

ALPHA(4) = -4.210 BETA(7) = 2.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.003	-.1839	-.0876	.3194	.4635	.3876	.3091	.3538
.020				-.2864	-.5391	-.5973	-.5592
.030			.1374				
.040		.0017					
.048			.0715				
.050	-.2108			-.2025	-.4891	-.5245	-.5319
.060				-.1402			
.085			.0407				
.086		.0594					
.094	-.2551						
.150				-.0631	-.1088	-.3426	-.4083
.163		.1464					
.177			.0296				
.229	-.0676						
.245		.0440					
.250			.0512	-.0434	-.0877	-.1139	-.2950
.274							
.362	.0991						
.390		.0766					
.400				.0379	.0099		-.0172
.402			.0755				
.497	.0803			.0101	.1326		
.550			.0225				
.565							
.600							.0441
.650					.0020		
.700	.0653			-.1265			
.725				-.2091			
.750			-.2371		-.1688	-.1344	
.775				-.3529	-.2434		
.808			-.3910				
.834	-.2681						
.850				-.4979	-.3928	-.3351	
.857			-.4456				
.865	-.3210						
.900	-.2925			-.5901			-.3391
.935			-.4231		-.5488		
.950				-.4274		.0000	
.953			-.3232				
.955	-.2942						

(801033)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01-12-912N23-AT10 LOWER WING

ALPHA(4) = -4.200 BETA(8) = 4.090

DEPENDENT VARIABLE CF

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.2427	-.0701	.2327	.4271	.3320	.2571	.3380
.020				-.2523	-.5407	-.5762	-.5444
.030			.0979				
.040		-.0052					
.060			.0464				
.080	-.2274			-.1494	-.4923	-.5205	-.4791
.100			.0217	-.1033			
.120							
.140		.0456					
.160	-.2327			-.0520	-.1094	-.3367	-.4089
.180		.1082					
.200			.0262				
.220	-.0590						
.240		.0221		-.0344	-.0635	-.0828	-.3193
.260							
.280			.0419				
.300	.0565						
.320		.0361		.0235	-.0221		.0403
.340			.0532				
.360	.0349			-.0448	.0714		
.380			-.0292				
.400						-.0223	.0143
.420				-.1487			
.440							
.460				-.2201		-.1995	-.1697
.480	.0062						
.500			-.2845				
.520				-.3289	-.2751		
.540			-.3847				
.560							
.580	-.2921			-.4544	-.4231	-.3639	
.600			-.3628				
.620							
.640	-.3199			-.4869			-.3693
.660	-.2976						
.680			-.3467	-.5584			.0000
.700				-.3494			
.720			-.2909				
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							





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TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(R81L33)

ARC11-716 1A14 01+T12+S12H25+AT10 LOWER WING

ALPHA( 4 ) = -4.210 BETA( 9 ) = 6.060

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	-.3154	-.0727	.1555	.3899 .3556 .2329 .2643
.020				-.1616 -.4614 -.6063 -.5409
.030			.0833	
.040		-.0285		
.048			.0324	
.050	-.2734			-.0466 -.3842 -.5397 -.5058
.080				.0549
.085			.0188	
.086		.0215		
.094	-.2156			
.150				-.0052 -.1128 -.2817 -.4673
.163		.0835		
.177			.0561	
.229	-.0772			
.246		.0086		
.250				-.0028 -.0549 -.0704 -.3793
.274			.0492	
.362	.0314			
.390		.0571		
.400			.0503	
.402				.0126 -.0277 -.0232
.497	.0441			
.550				-.0765 -.0845
.565			-.0437	
.600				-.0462
.650				-.1217
.700	-.0184			
.725			-.3072	
.750				-.2569
.760				-.2532 -.2073
.775			-.3012	
.806				-.3915 -.3333
.834	-.3017			
.850			-.4010	
.857				-.4502 -.4480 -.3969
.857			-.3775	
.865	-.3292			
.900	-.3104			-.4619
.905			-.3515	-.4083
.950				-.2872
.953			-.3020	.0000
.965	-.3141			

(R81L33)

ARC11-716 1A14 01\*112+512N25+AT10 LOWER WING

ALPHA=41 = -4.200 BETA= (10) = 8.580

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP			
X/CW	Y/BW	.2990	.3640	.4270	.5340
.000	-.3750	-.0634	.1353	.3024	.2606
.020				-.2072	-.5218
.030			.0440		-.4835
.040		.0099			-.4273
.048			.0114		
.050	-.3062			-.0876	-.4463
.060				-.0585	-.4273
.085			.0046		
.086		.0247			
.094	-.2231				
.150				-.0100	-.0568
.163		.0698		-.2774	-.4069
.177			.0277		
.229	-.1103				
.246		.0078			
.250				.0160	-.0378
.274		.0430		-.0586	-.3271
.362	.0401				
.390		.0303			
.400				.0091	-.0421
.422		.0464			-.0692
.497	.0404				
.530				-.0935	-.1227
.565		-.0691			
.600					-.1409
.650				-.1993	
.700	-.0378		-.3374		
.725				-.3244	-.2798
.750		-.3485			
.760			-.4110	-.3804	
.775		-.4214			
.808					
.834	-.3022			-.4763	-.4741
.850		-.4698			
.857					
.865	.4426				
.900	-.4008		-.5049		-.4383
.905		-.4209		-.2867	
.950			-.2684		.0000
.953		-.2774			
.965	-.3076				



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TABULATED PRESSURE DATA - IA14A - VOL. 5

PAGE 1001

ASC11-716 IA14 DI+112+S12+25+AT10 LOWER WING

(R81L33)

ALPHA(4) = -4.160 BETA(11) = 10.090

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.3684	-.0793	.0872	.2240	.2413	.1391	.1860
.020				-.1526	-.4795	-.4693	-.4134
.030			.0516				
.040		-.0429					
.048			.0195				
.050	-.3178		-.0567	-.3352	-.4653	-.4178	
.083			-.0340				
.095			.0080				
.086		-.0030					
.094	-.2201						
.150		.0716	-.0074	-.0537	-.2164	-.3891	
.163							
.177			.0222				
.229	-.1079						
.246		-.0060					
.250				.0085	-.0444	-.0795	-.2806
.274			.0327				
.362	.0188						
.390		.0355					
.400				-.0176	-.0679		-.0642
.402			.0232				
.497	.0243			-.1272	-.1611		
.550			-.1031				
.565							-.1583
.590					-.2191		
.650				-.3628	-.3133		
.700	-.0819						
.725					-.3348	-.3028	
.750			-.3401	-.4172	-.3677		
.775			-.4175				
.808							
.834	-.3937			-.4648	-.4423	-.4438	
.850			-.4418				
.857							
.865	-.4459			-.4458			-.4633
.900	-.4017						
.935			-.3892	-.2654			
.950			-.2350			.0000	
.953			-.2694				
.965	-.3982						

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TABULATED PRESSURE DATA - TAIL - VOL. 5

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(R01L33)

ARC11-716 TAIL 01+112+512N25+AT10 LC+R WING

ALPHA(1) = -2.870 BETA(1) = -10.040

SECTION ( LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7000 .0070
.0390	-.0144	.4742	.7507 .7555 .6419 .6701
.020			-.0998 -.2938 -.4076 -.3489
.030		.1201	
.040	-.0083		
.040		.0699	
.050	-.0539		-.0275 -.1656 -.3050 -.3196
.080			.0458
.095		.2085	
.086	.1288		
.034	-.0089		
.150			.1021 .0176 -.0507 -.2128
.163		.2138	
.177		.2507	
.229	-.0234		
.246		.2262	
.253			.0658 .2554 .3020 .1773
.274		.1859	
.362	.1839		
.390		.2333	
.400			.4130 .3651 .2687
.432		.3938	
.497	.2689		.3605 .2740
.550		.4297	
.565			
.601			.0891
.650			-.0683
.703	.5450		-.0207
.725			
.750			-.1171
.760			-.2165 -.1292
.775			-.3629
.808			
.834	-.2791		
.850			-.4289 -.3029 -.2581
.897			-.4633
.865			-.5675
.900	-.3403		
.900	-.4784		
.935			-.5514 -.4819
.950			-.6096
.993			-.6316
.965	-.6044		



(R01C33)

ARC11-715 JAL14 D1\*12+512R25+AT10 LOWER WING

ALPHA(D) D -8.870 BETA(D) B -8.030

SECTION 1: 11 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.8000	.8640	.4270	.9340	.6730	.7800	.0870
X/CW							
.000	.0000	-.0350	.4832	.7166	.6509	.5960	.6276
.020				-.1157	-.3354	-.4275	-.3725
.030			.1010				
.040		-.0163					
.060			.0337				
.080	-.0007			-.0523	-.2214	-.3291	-.3803
.100				-.0058			
.120		.0757	.2107				
.140	-.0250						
.160		.1807		.0974	-.0022	-.0758	-.3306
.180			.2019				
.200	-.0400	.2179					
.220				.0511	.0775	.2523	.1553
.240		.1691					
.260	.1500		.2166				
.280				.3798	.3473		.2631
.300		.3539					
.320	.2400			.3424	.2555		
.340			.4010				
.360							.0647
.380	.5039			-.0300		.0801	
.400				-.3799			
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							

(R01L33)

ARC11-716 1A14 OR-T12+S12+23+AT10 LOWER WING

ALPHA (  $\beta$  ) = -2.070 BETA (  $\beta$  ) = -5.960

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0299	-.0924	.3995	.6783	.6189	.5515	.5852
.020				-.1294	-.3754	-.4537	-.3958
.040			.0804				
.060		-.0495					
.080			.0111				
.100	-.0996			-.0568	-.2663	-.3553	-.4269
.120				-.0289			
.140			.2204				
.160		.0608					
.180	-.0795			.0865	-.0161	-.0994	-.3649
.200		.1694					
.220			.1630				
.240	-.0768						
.260		.2223		.0432	-.0334	.1828	.0967
.280			.1446				
.300	.1257						
.320		.1965		.3572	.3348		.2521
.340			.3135				
.360				.3320	.2458		
.380			.3754				
.400						.0740	
.420					-.0404		
.440				-.0749			
.460						-.1161	-.0937
.480							
.500				-.2054	-.2176	-.1512	
.520							
.540				-.3856			
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
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TABULATED PRESSURE DATA - TAIL - VOL. 5

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ARC11-716 TAIL 01+12+512+25+ATIO LOWER WING

(R01L33)

ALPHA(1) = -2.860 BETA(1) = -3.920

SECTION 1 LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6750	.7600	.8870
X/CW							
.000	-.0703	-.1179	.3335	.6344	.5752	.5030	.5391
.020				-.1535	-.3949	-.4747	-.4203
.030			.0529				
.040		-.0777					
.048			-.0715				
.050	-.1427			-.0796	-.2970	-.3809	-.4760
.060				-.0678			
.085			.0644				
.086		.0490					
.094	-.1455						
.150		.1392		.0409	-.0330	-.1234	-.3097
.163			.1214				
.177	-.1202						
.228		.1791					
.246				.0053	-.0786	.0373	.0892
.250			.1277				
.274							
.352	.1207	.1736					
.390			.2335	.3063	.3127		.2330
.400							
.402							
.497	.2097			.3025	.2321		
.550			.3396				
.565							
.600							.0670
.650					.0607		
.700	.4024		-.1082				
.725				-.2141		-.1266	-.1092
.750				-.2563	-.1647		
.760			-.3712				
.775							
.808				-.4359			
.834	-.2322			-.4574	-.3346	-.2847	
.850							
.857							
.865	-.2020						
.900	-.3760			-.5607			-.3170
.915			-.3445		-.5050		
.950			-.6189			.0000	
.955			-.6065				
.965	-.4146						

(001133)

TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A14 010112+512125+AT10 LOWER WING

ALPHA (S) = -2.000 BETA (S) = -2.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2900	.3600	.4270	.5340	.6730	.7000	.8070
1/CW							
.000	-.1106	-.1241	.3395	.5904	.5230	.4389	.4923
.020				-.1374	-.4175	-.4929	-.6452
.030			.0046				
.040		-.1115					
.048			.0437				
.050	-.1077			-.0703	-.3240	-.4013	-.4898
.060				-.0700			
.065			.0618				
.066		.0157					
.094	-.1801			.0406	-.0407	-.1441	-.4105
.150		.1465					
.163			.0804				
.177							
.229	-.1721	.1117		-.0007	-.0958	-.1056	.0262
.246			.1045				
.250							
.274							
.362	.1271	.1438		.2436	.2749		.2176
.393							
.400			.1677				
.472				.2722	.2143		
.497	.1644		.2687				.0599
.550					-.0609	.0470	
.565							
.600							
.650							
.700	.3103			-.1147		-.1353	-.1100
.725							
.750			-.2160		-.2581	-.1743	
.760							
.775			-.3414				
.800							
.834	-.2362			-.4489	-.3482	-.2967	
.850			-.4446				
.857							
.865	-.2912						-.3268
.900	-.3605			-.5481		-.3163	
.905			-.5525				.0000
.950				-.5861			
.955			-.5778				
.965	-.3874						





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ARC11-716 1A14 01-712-512+25-AT19 LOWER WING (R81L33)

$$ALPHA(5) = -2.099 \quad BEYAC(6) = .323$$

SECTION 100000 - UTILITIES

1/8 =	.2993	.3647	.4279	.5343	.6753	.7493	.8079
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MC/8

.000	-.1497	-.1025	.3416	.5435	.4715	.4051	.4420
.020				-.1467	-.4358	-.5101	-.4739

613 .1322

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.240	.5059
.050	-.1175
	-.3340
	-.4260
	-.4940

.000 - .996

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.386		.399
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.478	.1270		
.482			

6121	6122	6123	6124	6125	6126	6127	6128	6129	6130	6131	6132	6133	6134	6135	6136	6137	6138	6139	6140	6141	6142	6143	6144	6145	6146	6147	6148	6149	6150	6151	6152	6153	6154	6155	6156	6157	6158	6159	6160	6161	6162	6163	6164	6165	6166	6167	6168	6169	6170	6171	6172	6173	6174	6175	6176	6177	6178	6179	6180	6181	6182	6183	6184	6185	6186	6187	6188	6189	6190	6191	6192	6193	6194	6195	6196	6197	6198	6199	6200	6201	6202	6203	6204	6205	6206	6207	6208	6209	6210	6211	6212	6213	6214	6215	6216	6217	6218	6219	6220	6221	6222	6223	6224	6225	6226	6227	6228	6229	6230	6231	6232	6233	6234	6235	6236	6237	6238	6239	6240	6241	6242	6243	6244	6245	6246	6247	6248	6249	6250	6251	6252	6253	6254	6255	6256	6257	6258	6259	6260	6261	6262	6263	6264	6265	6266	6267	6268	6269	6270	6271	6272	6273	6274	6275	6276	6277	6278	6279	6280	6281	6282	6283	6284	6285	6286	6287	6288	6289	6290	6291	6292	6293	6294	6295	6296	6297	6298	6299	6300	6301	6302	6303	6304	6305	6306	6307	6308	6309	6310	6311	6312	6313	6314	6315	6316	6317	6318	6319	6320	6321	6322	6323	6324	6325	6326	6327	6328	6329	6330	6331	6332	6333	6334	6335	6336	6337	6338	6339	6340	6341	6342	6343	6344	6345	6346	6347	6348	6349	6350	6351	6352	6353	6354	6355	6356	6357	6358	6359	6360	6361	6362	6363	6364	6365	6366	6367	6368	6369	6370	6371	6372	6373	6374	6375	6376	6377	6378	6379	6380	6381	6382	6383	6384	6385	6386	6387	6388	6389	6390	6391	6392	6393	6394	6395	6396	6397	6398	6399	6400	6401	6402	6403	6404	6405	6406	6407	6408	6409	6410	6411	6412	6413	6414	6415	6416	6417	6418	6419	6420	6421	6422	6423	6424	6425	6426	6427	6428	6429	6430	6431	6432	6433	6434	6435	6436	6437	6438	6439	6440	6441	6442	6443	6444	6445	6446	6447	6448	6449	6450	6451	6452	6453	6454	6455	6456	6457	6458	6459	6460	6461	6462	6463	6464	6465	6466	6467	6468	6469	6470	6471	6472	6473	6474	6475	6476	6477	6478	6479	6480	6481	6482	6483	6484	6485	6486	6487	6488	6489	6490	6491	6492	6493	6494	6495	6496	6497	6498	6499	6500	6501	6502	6503	6504	6505	6506	6507	6508	6509	6510	6511	6512	6513	6514	6515	6516	6517	6518	6519	6520	6521	6522	6523	6524	6525	6526	6527	6528	6529</
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Year	1953	1954	1955
1953	100	100	100
1954	100	100	100
1955	100	100	100

127	1064	- .5052	1250
128		- .1395	

- .752	- .1401	- .1296
.763		- .2206

1900	-2736	1900
1900	-3510	1900

.034	-.2259
.053	-.4549    -.3656    -.3123

590.	590.
450.	450.
500.	500.

.933	-.3342	-.5473	-.3307
.931		-.3465	-.3293

[illegible]

**Figure 1**

(R81L33)

ARC11-716 1A14 01+112+312M25+AT10 LOWER WING

ALPHA2( 5) = -2.030 BETA2( 7) = 2.020

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	-.11740	.3322	.4947 .4195 .3545 .3962
.020			-.1360 -.4220 -.5269 -.4944
.030		.1879	
.040		.0543	
.048		.1096	
.050	-.1067		-.1207 -.3464 -.4412 -.4771
.060			-.0937
.065		.0737	
.066		.0667	
.094	-.2450		
.130			-.0210 -.0720 -.1717 -.3346
.163		.1423	
.177		.0548	
.229	-.0532		
.246		.0635	
.250			-.0111 -.0440 -.0435 -.1505
.274		.0760	
.362	.1123		
.390		.0942	
.400			.0619 .0394 .1625
.402		.0952	
.497	.0984		
.530		.0453 .1710	
.555		.0379	
.600			.0417
.650			.0181
.700	.0793		-.1150
.725		-.1967	
.750			-.1670 -.1450
.760		-.2332	
.775		-.3180 -.2276	
.808		-.3864	
.834	-.2595		
.850		-.4926 -.3872 -.3316	
.897		-.4535	
.865	-.3086		
.900	-.2975	-.5880	-.3332
.925		-.4472 -.5426	
.950		-.4762	.0000
.953		-.3418	
.965	-.2872		



(R91L33)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - TAIL - VOL. 5  
 ARC11-716 TAIL Q1+T12+512R23+AT10 LOWER WING

ALPHA( 5) = -2.770 BETAD ( 8) = 4.100

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	X/CW			
.2990	.3640	.4270	.5340	.6730 .7800 .8870
-2.498	-.0792	.2308	.4740	.3784 .3046 .3953
.020			-.1086	-.4015 -.4897 -.4855
.030		.1420		
.040	-.0148			
.048		.0863		
.050	-.2227		-.0747	-.3121 -.4323 -.4331
.083			-.0463	
.085		.0582		
.086	.0514			
.094	-.2209			
.150		.1233	-.0138	-.0608 -.1182 -.2457
.163				
.177		.0527		
.229	-.0462			
.246		.0437	.0269	-.0176 .0033 -.0881
.250				
.274		.0627		
.362	.0693			
.393		.0762		
.400			.0502	.0178 .1574
.402		.0745		
.497	.0690		-.0164	.1583
.550			-.0097	
.555				-.0072
.600				-.0260
.650			-.2371	-.1683
.700	.0256			
.725				-.2072 -.1839
.750				
.760		-.2969	-.3412	-.2763
.775			-.4246	
.808				
.834	-.3535			
.850			-.4738	-.4236 -.3659
.857		-.4513		
.865	-.4292			
.900	-.3807		-.5329	-.5615
.905		-.4653	-.3354	.0000
.950				
.953		-.2710		
.965	-.2921			

(RBL33)

ALPHA( 9 ) = -2.790 BETA( 9 ) = 6.120

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2999	.3640	.4270	.5347 .6730 .7809 .8879
.0000	-.3350	-.0888	.1592 .4172 .3920 .2771 .3104
.0200			-.0637 -.3549 -.5016 -.5977
.0300		.1999	
.0400	-.0384		
.0480		.0579	
.0500	-.2700		-.0171 -.2866 -.4527 -.4462
.0800			-.0165
.0805		.0424	
.0886		.0238	
.0994	-.2107		
.1150			-.0152 -.0622 -.1076 -.3497
.1630	.0882		
.1770		.0566	
.2290	-.0594		
.2460		.0254	
.2500			.0119 -.0117 -.0329 -.1370
.2740		.0660	
.3620	.0398		
.3900		.0716	
.4000			.0146 .0033 -.0156
.4520		.0671	
.4970	.0577		
.5500			-.0785 -.0566
.5650		-.0300	
.6000			
.6500			-.0527
.7000	-.0079		-.1617
.7250			-.2478
.7500		-.3211	
.7600			-.2529 -.2126
.7750		-.3162	
.8000		-.4061 -.3354	
.8008		-.4304	
.8340	-.3581		
.8500		-.4952 -.4447 -.3996	
.8570		-.4634	
.8650	-.4268		
.9000	-.3801		-.3464 -.4054
.9050		-.4425	
.9500		-.4530	
.9500		-.3050	.0000
.9530		-.2503	
.9650	-.2972		



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

PAGE 1891

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

(R01L33)

ALPHA(5) = -2.790 BETA(10) = 0.140

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4001	-.0414	.1297	.3393	.3259	.2398	.2691
.020				-.1216	-.4180	-.4274	-.4448
.030				.0689			
.040		-.0079					
.048			.0376				
.050	-.3011			-.0467	-.2710	-.4197	-.4087
.080				-.0196			
.085							
.086		.0241					
.094	-.2125						
.150		.0822		.0166	-.0237	-.0942	-.2857
.163							
.177			.0323				
.229	-.0903						
.246		.0236					
.250							
.274			.0652	.0331	-.0090	-.0404	-.1328
.362	.0498						
.390		.0685					
.400				.0203	-.0197		-.0582
.402			.0636				
.497	.0492						
.550				-.0867	-.1029		
.565			-.0372				
.600							
.650						-.1441	
.700	-.0253			-.2934		-.1076	
.725				-.3408			
.750						-.3160	-.2771
.760			-.3404				
.775				-.4106	-.3670		
.808				-.4195			
.834	-.3719						
.850				-.4830	-.4652	-.4383	
.857				-.4665			
.865		-.4415					
.900	-.3989						
.905				-.3201			-.4438
.950			-.4267	-.2942			
.953			-.2794			.0000	
.965	-.2935		-.2702				









(R01L33)

STABILIZED PRESSURE DATA - 1A14A - VOL. 3

90011-716 1A14 31+Y12+512225+AY10 LOWER WING

DATE 11 JAN 73

06629 - 06290

DEPENDENT VARIABLE C=

DNIA WASH. (1) 10511238

Year	1990	1995	2000	2005	2010	2015	2020
Population (millions)	1.2	1.3	1.4	1.5	1.6	1.7	1.8
GDP (billions of dollars)	100	150	200	250	300	350	400
Life expectancy (years)	70	72	74	76	78	80	82
Urban population (%)	30	35	40	45	50	55	60
Employment (millions)	100	110	120	130	140	150	160
Unemployment (%)	10	12	14	16	18	20	22
Healthcare expenditure (billions of dollars)	50	60	70	80	90	100	110
Education expenditure (billions of dollars)	30	35	40	45	50	55	60
Research and development (billions of dollars)	20	25	30	35	40	45	50
Government expenditure (billions of dollars)	100	110	120	130	140	150	160
Private expenditure (billions of dollars)	100	110	120	130	140	150	160
Foreign aid (billions of dollars)	10	12	14	16	18	20	22
Trade (billions of dollars)	50	60	70	80	90	100	110
Investment (billions of dollars)	30	35	40	45	50	55	60
Consumption (billions of dollars)	100	110	120	130	140	150	160
Savings (billions of dollars)	20	25	30	35	40	45	50
Debt (billions of dollars)	10	12	14	16	18	20	22
Deficit (billions of dollars)	5	6	7	8	9	10	11
Surplus (billions of dollars)	5	6	7	8	9	10	11
Balance of payments (billions of dollars)	10	12	14	16	18	20	22
Current account (billions of dollars)	5	6	7	8	9	10	11
Capital account (billions of dollars)	5	6	7	8	9	10	11
Trade balance (billions of dollars)	5	6	7	8	9	10	11
Investment balance (billions of dollars)	5	6	7	8	9	10	11
Current transfer balance (billions of dollars)	5	6	7	8	9	10	11
Capital transfer balance (billions of dollars)	5	6	7	8	9	10	11
Trade in goods (billions of dollars)	5	6	7	8	9	10	11
Trade in services (billions of dollars)	5	6	7	8	9	10	11
Trade in goods and services (billions of dollars)	5	6	7	8	9	10	11
Investment in goods (billions of dollars)	5	6	7	8	9	10	11
Investment in services (billions of dollars)	5	6	7	8	9	10	11
Investment in goods and services (billions of dollars)	5	6	7	8	9	10	11
Current transfer in goods (billions of dollars)	5	6	7	8	9	10	11
Current transfer in services (billions of dollars)	5	6	7	8	9	10	11
Current transfer in goods and services (billions of dollars)	5	6	7	8	9	10	11
Capital transfer in goods (billions of dollars)	5	6	7	8	9	10	11
Capital transfer in services (billions of dollars)	5	6	7	8	9	10	11
Capital transfer in goods and services (billions of dollars)	5	6	7	8	9	10	11
Trade in goods and services (billions of dollars)	5	6	7	8	9	10	11
Investment in goods and services (billions of dollars)	5	6	7	8	9	10	11
Current transfer in goods and services (billions of dollars)	5	6	7	8	9	10	11
Capital transfer in goods and services (billions of dollars)	5	6	7	8	9	10	11
Trade in goods and services (billions of dollars)	5	6	7	8	9	10	11
Investment in goods and services (billions of dollars)	5	6	7	8	9	10	11
Current transfer in goods and services (billions of dollars)	5	6	7	8	9	10	11
Capital transfer in goods and services (billions of dollars)	5	6	7	8	9	10	11

43

.000	-.0104	-.0455	.4534	.7300	.6691	.6135	.8437
.020				.0709	-.0336	-.2305	-.2050
.040			.1047				
.060		-.0151					
.080	-.0044		.2144	.0845	-.0455	-.1499	-.1170
.100			.2255	.1202			
.120		.1114					
.140	-.0490			.1266	.0454	.1098	.2013
.160		.2075	.2444				
.180							
.200	-.0377		.1929	.0998	.3517	.3429	.2243
.220		.2147					
.240							
.260							
.280							
.300	-.2044	.2356		.4210	.3732		.2217
.320			.3694				
.340		.2645		.3621	.2669		.0676
.360			.4115				
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							

(R01L33)

TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

DATE 11 JAN 79

ALFMA3( 6) = -.710 BETA0 ( 4) = -4.140

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/OW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0506	-.0679	.4128	.6883	.6329	.5696	.5978
.020				.0286	-.0845	-.2581	-.2608
.030			.1630				
.040		-.0475					
.048			.1157				
.050	-.1137			.0199	-.0618	-.1675	-.2144
.060				.0692			
.080			.2387				
.086		.0767					
.094	-.0999			.1106	.0337	-.0446	.1712
.100		.1906					
.160			.2982				
.177	-.0920	.2212					
.229				.0378	.2485	.3385	.2377
.246							
.250			.1769				
.274							
.362	.1710	.2133		.3604	.3623		.2149
.390			.3408				
.400				.3346	.2574		
.402			.3815				.0949
.497	.2456					.0613	
.500					-.0454		
.560							
.600							
.650							
.700	.4585			-.0834		-.1209	-.1092
.720							
.750							
.760			-.1949				
.775				-.2297	-.1529		
.808			-.3677				
.834	-.2817						
.850				-.4355	-.3243	-.2839	
.857			-.4554				
.865	-.3206						
.900	-.4388			-.5500			-.3210
.905			-.5403		-.4956		
.950				-.6371		.0000	
.965			-.6222				
.965	-.5243						



(RBIL33)

DATE 11 JAN 79 TABULATED PRESSURE DATA - 1414A - VOL. 5  
 ARCL: 715 1414 019112+512423+4110 LOWER WING

ALPHAD: 61 = -.700 BETA: 11 = -2.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2900	.3600	.4270	.5340	.6750	.7800	.8870
Z/CW							
.000	-.0984	-.0652	.3813	.5405	.5321	.5232	.5541
.020			.1931	.0404	-.1239	-.2327	-.2969
.030		-.0400					
.040			.1334				
.060	-.1474			.0173	-.0637	-.1031	-.2660
.080				.0357			
.095			.2089				
.086		.0453					
.094	-.1472			.1078	.0141	-.0574	.1305
.130		.2025					
.153			.1417				
.177	-.1250						
.220		.1964					
.246				.0521	.0564	.3005	.2329
.290			.1372				
.274	.1737	.1959		.3407	.3361		.2100
.362							
.390				.3131	.2406		
.400			.3339				
.402	.2171						.0402
.497				-.0864			
.550				-.0593			
.565							
.600							
.650	.3749						
.700							
.725							
.750							
.760							
.775							
.808							
.834	-.2047						
.850							
.857							
.865	-.3391						
.900	-.4397						
.905							
.950							
.955							
.965							

-3362

.0000

-.5170



(R01L33)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
AFC11-716 1A14 51+112+512+512+511D LOWER WING

ALPHAS (8) X - .700 BETA (7) Z 2.169

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	.2890	.3640	.4270	.5340	.6790	.7800	.8870
1/CM							
.000	-.1805	-.0968	.3369	.5371	.4716	.4220	.4567
.020			.2546	.0200	-.1480	-.3198	-.3592
.040		.0028					
.060			.1640				
.080	-.1655			.0150	-.1129	-.2075	-.3038
.100			.1229	.0358			
.120		.0081					
.140	-.2205			.0419	.0041	-.0380	-.0457
.160		.1942					
.180	-.0336		.1082				
.200		.0973		.0575	.0490	.0465	.0342
.220			.1068				
.240	.1396						
.260		.1251		.1285	.1000		.1935
.280			.1311				
.300	.1274		.0765	.1937	.1836		.0109
.320						.0134	
.340	.1000			-.1631	-.1115		
.360						-.1713	-.1825
.380			-.2278				
.400				-.2841	-.2210		
.420			-.3790				
.440	-.8928						
.460			-.4480	-.4387	-.3854	-.3376	
.480							
.500	-.3150			-.5524			-.3738
.520	-.3020				-.3483		
.540			-.4760				
.560				-.5081		.0009	
.580			-.5651				
.600	-.8023						

ORIGINAL PAGE IS  
OF POOR QUALITY

(R01L33)

ARC11-716 1A14 OR-T12-S12N25-A110 LOWER WING

ALPHA=01.61 ; - .710 BETA= ( 0 ) ; 4.279

## SECTION 3M ( 11 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2895	.3640	.4270	.5340	.6730	.7800	.8870
Z/CW							
.000	-.2674	-.1810	.2219	.3177	.4229	.3964	.4522
.005				.3426	-.1490	-.2592	-.3095
.010			.1980				
.015		-.3346					
.020			.1377				
.025	-.2140			.0246	-.1193	-.1588	-.2026
.030				.0293			
.035			.1038				
.040		.0623					
.045	-.1932						
.050		.1481		.0412	.0297	.0284	.0131
.055			.0923				
.060	-.0290						
.065		.0771		.0722	.0472	.0956	.0707
.070			.0991				
.075	.0917						
.080		.1068					
.085			.1107	.0937	.1959		.1171
.090	.0900			.0733	.0960		
.095			.0355				
.100					-.0411		-.0316
.105	.0500			-.2242	-.1677		
.110						-.2106	-.1924
.115			-.2349				
.120				-.3209	-.2725		
.125			-.3843				
.130							
.135	-.2772			-.4549	-.4203	-.3716	
.140			-.3846				
.145							
.150	-.3130			-.5107			-.3963
.155	-.2829				-.5599		
.160			-.3811				
.165				-.4070			.0000
.170			-.2899				
.175							
.180	-.2923						



(R01L33)

ALPHA = 61.2 -1.730 BETA = 91.2 6.350  
 TABULATED PRESSURE DATA - TAIL - VOL. 5  
 ARCH-716 TAIL 01+12+512+25+ATIO LOWER WING

SECTION / LOWER WING	DEPENDENT VARIABLE C
V/W	.8992 .3640 .4270 .5340 .6730 .7000 .8870
X/C	
.000	-.3745 -.1216 .1349 .5084 .4012 .3369 .3736
.020	.0184 -.2011 -.3150 -.3557
.040	.1411
.060	-.0359
.080	.1044
.100	.0523 -.1449 -.2334 -.2615
.120	.0153
.140	.0945
.160	.0316
.180	-.1060
.200	.1550
.220	.1630
.240	.1770
.260	.2290
.280	-.0367
.300	.0470
.320	.0990
.340	.0634
.360	.0982
.380	.0665 .0389 .0645
.400	.1020
.420	.0927
.440	-.0284 -.0090
.460	.0643
.480	.0113
.500	-.2250
.520	-.2624
.540	-.2714
.560	-.3464 -.3106
.580	-.3761
.600	-.4327 -.4319 -.4050
.620	-.3753
.640	-.3520
.660	-.3132
.680	-.4714
.700	-.3753
.720	-.4267
.740	-.3252
.760	-.2944
.780	-.3113

ORIGINAL PAGE 13  
 OF POOR QUALITY

(RBIL33)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+112+512025+AT10 LOWER WING

ALPHA(6) = -.730 BETA(10) = 0.150

SECTION (1) LOWER WING	DEPENDENT VARIABLE CF			
Y/W	.2990	.3640	.4270	.5340
X/CW	.020	.020	.030	.040
-.4504	-.0612	.1221	.3526	.3743
.020			-.0179	-.1892
.030		.1030		-.2684
.040				-.3424
.048		-.0186	.0744	
.053	-.2977		.0201	-.1082
.060			.0316	-.2571
.065		.0729		
.066		.0345		
.094	-.2163		.0556	.0398
.150		.1001	-.0200	-.0544
.163		.0840		
.177				
.229	-.0447	.0585	.0648	.0403
.246			.0129	-.0570
.250		.0952		
.274				
.362	.0742	.0954	.0450	.0145
.390				-.0155
.400		.0924		
.408	.0810		-.0608	-.0712
.487		-.0220		-.1190
.550			-.1601	
.565			-.2650	
.600			-.3141	-.2976
.650	-.0027			-.2680
.700		-.2823		
.725		-.3796	-.3432	
.750				
.760		-.3694		
.775				
.808				
.834	-.3002		-.4534	-.4282
.850		-.3832		-.4286
.857				
.865	-.3305		-.4617	-.4330
.900	-.3135		-.3763	
.905		-.5642	-.3763	.0000
.935		-.3165		
.950		-.3074		
.955				
.965	-.3122			





(R81L33)

ARC11-716 1A14 31+112+512N25+AT10 LOWER WING

ALPHA(6) = -.750 BETA(11) = 10.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8670
X/CW							
.000	-.4820	-.0941	.0774	.2240	.3269	.2630	.2899
.020			.0334	-.1596	-.2609	-.3435	
.030			.0689				
.040		-.0632					
.048			.0624				
.050	-.3413		.0513	-.0566	-.1858	-.2591	
.080			.0534				
.085			.0629				
.086		.0008					
.094	-.2020						
.150		.0969	.0574	.0367	-.0303	-.0470	
.163			.0718				
.177							
.229	-.0846						
.246		.0414					
.250				.0566	.0245	-.0127	-.0551
.274			.0754				
.352	.0528						
.390		.0768					
.400				.0200	-.0135		-.0285
.402			.0637				
.497	.0655			-.0964	-.1130		
.550			-.0634				
.565							
.600							
.650							
.700	-.0518				-.2693		
.725				-.3548		-.1947	
.750							
.760			-.3529			-.3331	-.3196
.775				-.4198	-.3553		
.808			-.4176				
.834	-.3849						
.850							
.857			-.4335				
.865	-.4497						
.900	-.4014						
.905			-.3982				
.950				-.4557	-.2437		-.4797
.955				-.2436			
.965			-.2680				
.985	-.2917						

ORIGINAL PAGE 1  
OF POOR QUALITY

(R81L33)

ARC11-716 1A14 01+T12+312N25+AT10 LOWER WING

ALPHA(7) = 2.010 BETA(1) = -10.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.1546	.0573	.5697	.8142	.8031	.7851	.7989
.020				.3365	.3001	.3115	.3420
.030			.4368				
.040		.0771					
.048			.3595				
.050	-.0090			.2928	.2727	.2906	.3073
.080				.2755			
.085			.3468				
.086		.1484					
.094	-.0218						
.150		.4212		.3014	.3801	.3629	.3324
.165							
.177			.3357				
.229	-.0043						
.246		.3301		.4149	.4189	.4017	.3135
.250			.3701				
.274							
.352	.3947						
.390		.3862					
.400			.5048	.5016	.4257		.2740
.402							
.497	.3731			.4122	.3081		
.530							
.565		.4845					
.600							
.630						.1052	.1089
.700	.6203			-.0234	-.0056		
.725							
.750							
.760							
.775							
.808							
.834	-.8280						
.850							
.857							
.865	-.3023						
.900	-.4371						
.935							
.950							
.953							
.965	-.5457						



(RBIL33)

TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01-12-4512-25-1110 LOWER WING

DATE 11 JAN 75

ALPHA ( 7 ) = 2.000 BETA ( 2 ) = -0.040

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2993 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0494	.0284	.5375	.7679	.7492	.7378	.7619
.020			.2905	.2562	.2728	.3117	
.030			.4193				
.040		.0504					
.048		.3345					
.050	-.0326		.2562	.2254	.2588	.2869	
.060			.2345				
.095		.3188					
.086		.1319					
.094	-.0294		.2348	.3517	.3593	.3143	
.150		.3728					
.163		.3098					
.177							
.229	-.0114						
.245		.2965					
.250			.3761	.3960	.3812	.2949	
.274		.3152					
.362	.3596						
.390		.3359					
.400			.4688	.4067		.2576	
.402		.4740					
.497	.3362		.3854	.2942			
.550		.4600					
.555						.0937	
.600							
.650							
.700	.3796						
.725			-.0492	-.0197		.0918	
.750					-.0929	-.0774	
.760			-.1565				
.775			-.2029	-.1196			
.808			-.3277				
.834	-.2302						
.850			-.4106	-.3003	-.2627		
.857			-.4256				
.865	-.2904						
.900	-.4183		-.5269			-.2963	
.905			-.5259	-.4787			
.950			-.6162			.0000	
.955			-.6098				
.965	-.5204						

ORIGINAL PAGE IS  
OF POOR QUALITY

(R01L33)

ARC11-716 IA14 01+112+512N25+AT10 LOWER WING

ALPHA( 7 ) = 2.950 BETA( 3 ) = -6.940

SECTION ( 3 ) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730
X/CW					
.000	.0072	-.0161	.4948	.7616	.7075
.020				.7095	.7284
.030			.3924	.2608	.2067
.040		.0356		.2236	.2922
.048			.3086		
.050	-.0369			.2281	.2299
.050			.2171		.2708
.055		.0978	.2940		
.086					
.094	-.0664				
.150				.1961	.3399
.153		.3210		.3399	.2972
.177			.2813		
.229	-.0488				
.246		.2661		.3559	.3730
.250				.3659	.2817
.274		.2543			
.362	.3163				
.390		.2933		.4550	.3907
.400			.4461		.2437
.402					
.497	.3031			.3783	.2799
.550			.4378		
.565					.0796
.600				.0806	
.650				-.0317	
.700	.5450				
.725			-.0450		
.750				-.1041	-.0932
.760			-.1690		
.775				-.1945	-.1345
.808			-.3408		
.834	-.2482				
.850				-.3974	-.3072
.857			-.4368		-.2727
.865	-.2961				
.900	-.4213				
.935			-.5109		-.3084
.950			-.5347	-.4875	
.953			-.5989		.0000
.965	-.5075		-.6167		



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5  
 ARJ11-716 TATA 051112+512125+1110 LOWER WING (891133)

ALPHADU 71 = 1.920 BETAD (4) = -3.990

SECTION 1: LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
z/cw							
.000	-.0307	-.0472	.4378	.7305	.5729	.6360	.6904
.020				.2347	.1754	.1381	.2474
.030			.3544				
.040		-.0075					
.048			.2795				
.050	-.0930			.2069	.1051	.1756	.2367
.060				.1955			
.085			.2714				
.086		.0771					
.094	-.0823						
.150		-.2585		.1754	.2231	.3204	.2695
.163			.2613				
.177							
.229	-.0689	.2339					
.245							
.250				.2795	.3508	.3420	.2625
.274		.2196					
.352	.2646						
.390		.2551					
.400			.4052	.4265	.3710		.2279
.402							
.497	.2846			.3571	.2642		
.550			.4031				
.565							.0612
.600					.0652		
.650							
.700	.4879			-.0589			
.725							
.750							
.750							
.775							
.800							
.874	-.2238						
.890							
.897							
.895	-.2895						
.900	-.4017						
.905							
.950							
.953							
.965	-.4728						

ORIGINAL PAGE IS  
 OF POOR QUALITY

(R01L33)

TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A14 01+112+512M25+AT10 LOWER WING

ALPHA (°) = 1.920 BETA (°) = -2.020

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0733	-.0971	.4092	.6766	.6302	.5829	.6508
.020			.2032	.1493	.0365	.2041	
.030		.0345					
.040			.2719	.1964	.0813	.0597	.2090
.050	-.0872			.1849			
.060			.2475				
.085		.0678					
.086							
.094	-.1201			.1475	.1394	.3395	.2451
.150		.2726					
.163			.2509				
.177							
.220	-.0816						
.246		.2041		.1461	.3560	.3223	.2353
.250			.1902				
.274							
.362	.2260	.2257					
.393				.3874	.3474		.2111
.400			.3463				
.402	.2489			.3277	.2482		
.497			.3528				.0449
.550						.0495	
.565							
.600							
.650							
.700	.4021			-.0764	-.0609		
.725							
.750			-.2042	-.2213	-.1671		
.760							
.775			-.3568				
.808							
.834	-.2331			-.4218	-.3369	-.2995	
.850			-.4419				
.897							
.885	-.2843			-.5312			-.3362
.900	-.3766						
.905			-.5465	-.5081			
.910				-.6142		.0000	
.930			-.5951				
.965	-.4185						



AR011-716 TAILA 01+112+512+25+AT10 LOWER WING

(R01L33)

A.0440-71 = 1.920 907+0-61 = .010

SPECIFIC INDEPENDENT VARIABLE

DEPENDENT VARIABLE OR

T/94W .2990 .3560 .4273 .5340 .5753 .7500 .8070

T/94W

.000	-.1166	-.1423	.3051	.6261	.5950	.5355	.5923
.020				.2044	.1373	.0181	.1241
.030			.3583				
.040		.0012					
.048			.2621				
.050	-.0944			.1591	.0697	.0175	.1795
.090				.1605			
.095			.2271				
.086		.1121					
.094	-.1566						
.150		.2977		.1320	.1005	.1372	.2367
.163							
.177			.1843				
.229	-.0463	.1727		.1179	.2107	.3296	.1986
.245			.1698				
.250							
.274							
.362	.2275	.1343					
.390				.3175	.3259		.1802
.400			.2455				
.402				.2812	.2225		
.497	.2071						
.550							
.565							
.600							
.650						.0293	.0242
.700	.2609						
.725							
.730							
.760							
.775							
.808							
.834	-.2227						
.850							
.897							
.855	-.2062						
.900	-.3432						
.915							
.950							
.953							
.965	-.3547						

-.3550

-.5236

-.6002

-.5426

-.3100

-.4523

-.2481

-.2192

-.1079

-.0836

-.1537

-.1444

DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 3

PAGE 1910

(RB1L33)

ARC11-716 IAI4 01+112+512+25+AT150 LOWER WING

ALPHA(1) = 1.925 BETA(1) = 2.050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
K/CW							
.000	-.2072	-.1774	.3113	.9709	.5222	.4895	.5279
.020			.3220	.1091	.1156	.0167	.0113
.030		-.0145					
.040			.2330				
.050	-.1205			.1445	.0537	.0224	.0387
.060				.1236			
.080			.1941				
.090		.1109					
.100	-.1547						
.120			.2424	.0966	.1039	.0982	.1599
.140							
.160			.1666				
.180	-.0270						
.200		.1433					
.220			.1557	.1150	.1405	.1999	.2051
.240							
.260	.1723						
.280		.1669					
.300			.1791	.1127	.2037		.1726
.320	.1666						
.340			.1303	.1012	.1907		
.360							
.380	.1326					.0032	.0026
.400				-.1112			
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							





IR810351

ARC11-716 IAI4 OLYTIC+SIZE25+AT10 LOWER WING

AIRFOLD 75 = 1.900 BETAD (0) = 4.050

## SECTION 1 LOWER WING

## DEPENDENT VARIABLE CP

Y/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

Y/CW

.000	-.2967	-.2128	.1870	.5346	.4723	.4737	.5342
.020				.1903	.1080	.0713	.1276
.030			.2527				
.040		-.0557					
.048			.1955				
.050	-.1944			.1268	.0504	.0729	.1105
.060				.1047			
.085			.1599				
.086		.0778					
.094	-.1623						
.150		.1037		.0938	.1025	.1529	.1221
.163			.1410				
.177							
.229	-.0051	.1220					
.245							
.250			.1412	.1162	.1679	.2103	.1247
.274							
.362	.1315						
.390		.1453					
.400				.1484	.1682		.1446
.402			.1459				
.497	.1347						
.550				.0696	.1223		
.565			.0638				
.603							
.650							-.0243
.700	.0750					-.0292	
.725				-.2298			
.750							
.760			-.2367				
.775				-.3323	-.2629		
.808			-.3070				
.834	-.2707						
.850				-.4028	-.4146	-.3683	
.857			-.4037				
.865	-.3129						
.970	-.2948			-.5503			-.3922
.975			-.3990		-.5594		
.990				-.4404			.0000
.993			-.2992				
.965	-.2030						

(RBL33)

ARC11-716 1A14 01+112+512+25+AT19 LOWER WING

ALPHA(DI 7) = 2.040 BETA(DI 9) = 6.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	Z/CW	.2990	.3140	.4270	.5340	.6730	.7800	.8870
.000	-.4096	-.11704	.0787	.5049	.4712	.4193	.4551	
.020				.1445	.0856	.0121	.0005	
.030			.1841					
.040		-.0771						
.060			.1560					
.080	-.2325		.1031	.0345	.0147	.0117		
.090			.0940					
.085			.1454					
.086		.0500						
.094	-.1675							
.110			.1422	.1052	.0961	.0698	.0713	
.163				.1350				
.177								
.229	-.0000		.1059					
.246				.1100	.0901	.1050	.0995	
.250				.1386				
.274	.1017							
.342		.1354						
.390			.1324	.0940	.0916		.1140	
.400								
.402								
.497	.1249							
.530				-.0006	.0400			
.565			.0290					
.600								
.610								
.650	.0487							
.700								
.725								
.750								
.760								
.775								
.800								
.834	-.2053							
.850								
.857								
.865	-.3104							
.870	-.3510							
.875								
.890								
.933								
.955	-.3500							



4811330

TABULATED PRESSURE DATA - TABLE - VOL. 5

ARTIFICIAL DATA DISTRIBUTION RATIO LOWER WING

A. TABLE 2.030 BETAS (10) = 9.110

SECTION 1.1. LOWER WING

TABLE 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030

2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030

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2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030 2.030

(881L33)

DATE 11 JAN 73 TABULATED PRESSURE DATA - 1A16A - VOL. 3  
ARC11-716 1a16 01+712+512+25+AT10 LOWER WING

ALPHA(7) = 2.350 BETA(11) = 10.150

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
X/CW	Y/CW	Y/CW	Y/CW	Y/CW	Y/CW
.000	-.5190	-.1252	.0300	.1505	.3154
.020				.1360	.0332
.030			.0861		
.040		-.0826			
.048			.0905		
.050	-.3261			.1209	.0900
.060				.1231	
.085			.1042		
.095		-.0009			
.096	-.2516			.1163	.1051
.100					.0997
.103		.1220			.0683
.107			.1103		
.120	-.0945				
.145		.0609		.1064	.0801
.146			.1219		.0519
.162	.0692				
.190		.1204		.0712	.0550
.197			.1079		.0016
.199	.1069			-.0400	-.0640
.200			-.0197		
.205					-.1539
.209	-.0289			-.3192	-.1756
.220					.0603
.230					-.3145
.233					-.3010
.260			-.3456		
.275			-.4107	-.3569	
.275			-.4528		
.300				-.4460	-.4303
.306	-.3756			-.4507	-.4362
.350					
.357					
.365	-.4485				
.390	-.4053			-.4463	-.4729
.395			-.3968	-.2703	
.395			-.2441		.0000
.395			-.2784		
.365	-.2895				



DATE 11 JAN 79 TABULATED PRESSURE DATA - 14144 - VOL. 9  
 48011-716 1414 11-112-512-25-RATIO LOWER WING (221.33)

AVERAGE B/F 4.300 BETA 11.7 -0.981

SEMI-SPAN WING DEPENDENT VARIABLE OF

WING .2890 .3640 .4270 .4340 .4500 .7500 .8870

1/CM

.000	.1883	.0386	.6035	.6568	.9295	.7939	.7813
.020				.4577	.4946	.5351	.5455
.030			.5508				
.040		.1961					
.050			.4571				
.060	.1980			.4039	.4333	.4501	.4533
.080				.3750			
.085			.4181				
.086		.1886					
.084	.0086			.3900	.4661	.4564	.4103
.130		.4973					
.163			.4026				
.177	.0171	.3931		.4645	.4679	.4475	.3613
.229			.4390				
.246							
.250							
.274	.4402	.4417		.5314	.4219		.3003
.362			.3443				
.390							
.400				.4293	.3231		
.402	.4293		.3090				.1251
.497							
.550							
.565							
.603							
.590						.1211	
.700	.6360			.0929			
.725							
.750							
.760							
.775							
.800							
.830							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

ORIGINAL PAGE 19  
 14144-716-01-01-01-01



RB1L331

ARC11-716 1A14 01+Y12+S12H25+Y10 LOWER WING

ALPMAO( 8) = 4.200 BETAO( 2) = -0.090

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP						
X/BW	Y/BW	.2990	.3440	.4270	.5340	.6730	.7800	.8870
X/CW								
.000	.000	.1342	.0043	.5310	.8186	.7919	.7613	.7526
.020	.030			.5180	.4318	.4517	.4920	.5122
.040	.040		.1620					
.043	.050			.4260	.3642	.3692	.4138	.4242
.080	.085	.0306		.3909	.3334			
.085	.094		.1513					
.096	.150	-.0156			.3567	.4341	.4393	.3881
.163	.177		.4673	.3633				
.229	.229	-.0030						
.246	.250		.3484		.4295	.4416	.4268	.3402
.274	.362	.4183		.3965				
.390	.390		.4039		.5052	.4335		.2848
.402	.402			.5103				
.497	.3903				.4170	.3088		.1078
.550				.4821			.1065	
.565								
.600								
.650	.6129				-.0228		-.0824	-.0673
.700				-.1446				
.725					-.1807	-.1142		
.750				-.3220				
.760								
.775								
.808	-.2233							
.834								
.850				-.4244	-.3848	-.2908	-.2370	
.857								
.865	-.2848							
.900	-.4199			-.5285	-.5002	-.4733		-.2637
.905								
.950					-.5868		.0000	
.953				-.6101				
.965	-.5234							

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(R81033)

APC11-716 IAL14 01+112+512+25+AT10 LOWER WING

ALPHAC ( 0 ) = 4.200 BETAD ( 3 ) = -5.930

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0804	-.0426	.5013	.7639	.7464	.7212	.7133
.020			.4740	.4041	.4087	.4584	.4881
.040		.0937					
.060			.3769				
.080	-.0111		.3307	.3486	.3736	.4019	
.100			.2965				
.120		.1334					
.140	-.0426		.3104	.3996	.4099	.3615	
.160		.4222					
.180	.229	-.0213	.3259				
.200		.3011		.3920	.4138	.4039	.3180
.220			.3481				
.240	.3755			.4711	.4079		.2622
.260		.3567					
.280			.4666				
.300	.497	.3455		.3853	.2899		.0898
.320			.4402				
.340						.0865	
.360	.5641			-.0387	-.0269		
.380						-.1014	-.0873
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.995							
.998							

(R81L33)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+T12+S12N23+AT10 LOWER WING

ALPHA(0) = 4.200 BETA(4) = -3.970

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	.0209	-.1026	.4625	.7125 .7002 .6741 .6751
.020			.3716	.3612 .4042 .4523
.030			.4554	
.040		.0627		
.048			.3547	
.050	-.0256		.3034	.3000 .3327 .3703
.080			.2647	
.085			.3186	
.086		.0967		
.094	-.0799			
.150		.3924		
.163			.2933	
.177				
.229	-.0387			
.246		.2631		
.250			.3437	.3759 .3814 .2936
.274			.2881	
.352	.3359			
.390		.3015		
.400			.4294	.3824 .2417
.402		.4192		
.497	.3059		.3347	.2710
.550		.4071		
.565				.0712
.600				.0690
.650			-.0614	-.0435
.700	.4961			
.725				-.1176 -.1057
.750				
.760			-.1793	
.775			-.2131	-.1440
.808			-.3429	
.834	-.2309			
.850			-.4150	-.3122 -.2849
.857			-.4429	
.865	-.2818			
.900	-.3927		-.5279	.3814 .2936
.905			-.5333	-.4944
.950			-.6156	.0000
.953			-.5600	
.965	-.4616			





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5  
 ARC11-716 IAI14 01+112+512025+ATIO LOWER WING (R01L33)

ALPHA(1 0) = 4.220 BETA(1 5) = -2.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2390	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0362	-.1619	.4213	.6927	.6456	.6288	.6769
.020				.3327	.3182	.3564	.4170
.030			.4427				
.040		.0295					
.048			.3398				
.050	-.0257			.2698	.2452	.2930	.3431
.060			.2922	.2377			
.085							
.086		.0970					
.094	-.1089			.2053	.3202	.3434	.3120
.150		.3792					
.163			.2573				
.177							
.229	-.0429	.2326		.3019	.3408	.3589	.2760
.246			.2390				
.250							
.274							
.362	.2985	.2565		.3882	.3581		.2248
.390			.3680				
.400				.3251	.2538		
.432	.2692		.3584			.0545	
.497						.0561	
.550	.4153			-.0815	-.0547		
.700							
.725							
.740							
.760							
.775							
.808							
.834	-.2346						
.850							
.857							
.865	-.2804						
.900	-.3735						
.905							
.950							
.955							
.965	-.4197						

-.1295 -.1199  
 -.2017 -.2288 -.1598  
 -.3687  
 -.4470  
 -.4292 -.3348 -.2954  
 -.5401 -.5038  
 -.6201  
 -.4936



(RBL33)

ARC11-716 1A14 01+712+512N25+AT10 LOWER WING

ALPHA (°) = 4.240 BETA (°) = -.070

SECTION (1) LOWER WING	DEPENDENT VARIABLE CF				
Y/BW	.2990	.3640	.4270	.5340	.6750 .7800 .8870
X/CW					
.000	-.1339	-.2287	.3542	.6443	.5987 .5775 .6012
.020				.3278	.2978 .3077 .3810
.030			.4201		
.040		-.0178			
.048			.3228		
.050	-.0645		.2574	.2015	.2521 .3151
.060			.2231		
.085			.2755		
.086		.1315			
.094	-.1397				
.150			.1800	.2545	.3098 .2896
.165		.3477			
.177		.2358			
.229	-.0033				
.246		.2114	.2322	.3038	.3319 .2911
.250			.2085		
.274		.2085			
.352	.2567	.2264			
.390			.3360	.3269	.2027
.400		.2926			
.402					
.497	.2271		.2831	.2267	
.550					
.565		.2745			.0325
.600					
.650				.0334	
.700	.2870		-.1064	-.0823	
.725				-.1489	-.1398
.750					
.760		-.2270			
.775			-.2460	-.1855	
.808		-.3659			
.834	-.2401				
.850			-.4384	-.5565	-.5167
.857		-.4609			
.865	-.2910				
.900	-.3528		-.5430		-.3526
.905		-.5559	-.5223		
.950		-.5304		.0000	
.955		-.4612			
.965	-.3872				



ARC11-716 IAI4 QUANTIZATION RATIO LOWER WING

(RBIL33)

ALPHA: 80 = 4.220 BETA: (7) = 1.990

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/B	.2990	.3640	.4270	.4940	.6730	.7800	.8970
Z/CW							
.000	-.2240	-.2943	.2508	.5717	.5592	.5286	.5607
.020				.3218	.2900	.2506	.3202
.030			.3655				
.040		-.0456					
.046			.2883				
.050	-.1217			.2535	.1884	.1871	.2745
.060				.2101			
.095			.2461				
.086		.1214					
.094	-.1076						
.150		.2748		.1724	.1921	.2363	.2753
.153			.2080				
.177							
.229	-.0033	.1917		.1895	.2223	.2982	.2329
.246							
.250							
.274			.1959				
.362	.1977						
.330		.2021					
.400			.2149	.2400	.3014		.1844
.402							
.497	.1948		.1567	.2085	.1972		
.550							
.555							
.600							
.650							.0160
.700	.1656				.0145		
.725				-.1516	-.1069		
.750							
.760			-.2204			-.1652	-.1521
.775				-.2766	-.2134		
.808			-.3702				
.834	-.2324						
.850							
.857			-.4549	-.4492	-.3772	-.3335	
.865	-.3138						
.907	-.3232			-.5450			-.3537
.905			-.5300		-.5347		
.950				-.4732		.0000	
.953			-.3989				
.965	-.2977						

(RB1L33)

ARC11-716 1A14 01+T12+512N25+AT10 LOWER WING

ALPMAD (0) = 4.430 BETA0 (0) = 4.100

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
Y/BW		.3640	.4270	.5340	.6730 .7000 .0070
X/CM					
.000	-.3257	-.2877	.1169	.5190	.5347 .5320 .5227
.020				.2797	.2749 .3255 .3060
.030			.2728		
.040		-.0762			
.048			.2291		
.050	-.1757		.2172	.1975	.2453 .2390
.080				.1831	
.095			.2010		
.086		.0855			
.034	-.1325				
.150			.1687	.2159	.2234 .2287
.163		.2072			
.177			.1767		
.229	.0135				
.246		.1596			
.250			.1773	.2144	.2240 .2068
.274		.1780			
.362	.1579				
.390		.1723			
.400			.1865	.2061	.1566
.402		.1780			
.497	.1615				
.550			.1049	.1385	
.565		.0824			
.600					-.0080
.650				-.0160	
.700	.0974		-.2096	-.1490	
.725					-.1924 -.1740
.750		-.2647			
.760			-.3116	-.2538	
.775		-.4206			
.800			-.4678	-.4063	-.3603
.834	-.3331				
.850		-.4755			
.857					
.865	-.4055				
.900	-.3062		-.5517		-.3033
.905		-.5163	-.5550		
.950		-.3484		.0000	
.955		-.2876			
.965	-.2807				



19811331

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 5  
 AR011-716 IAL4 DIV112+512+25+AT10 LOWER WING

ALPHA = 0.000 BETA = 0.000

SECTION 11 LOWER WING DEPENDENT VARIABLE CO

7/94 2996 3660 4270 5340 6750 7800 8870

X/CW

.000	.4542	-.2100	.0153	.4071	.4959	.4526	.4804
.020				.2277	.2272	.2134	.2153
.030			.1909				
.040		-.0347					
.048			.1631				
.050	-.2110		.1877	.1532	.1496	.1983	
.060			.1660				
.085			.1753				
.086		.0553					
.094	-.1420			.1568	.1641	.1594	.1900
.150		.1698					
.163			.1683				
.177							
.229	.0139	.1390		.1550	.1460	.1786	.1803
.245							
.250			.1683				
.274							
.362	-.1279	.1599		.1300	.1336		.1249
.390							
.400			.1582				
.432							
.497	.1474			.0352	.0595		
.550			.0470				
.565							
.600							
.650							
.700	.0552						
.725							
.750							
.760							
.775							
.818							
.834	-.3390						
.850							
.857							
.865	-.4127						
.900	-.3624						
.915							
.950							
.955							
.965	-.2027						

-.4940

-.5443

.0000

-.2559

-.0610

-.1941

-.0395

-.2336

-.2279

-.2026

-.3259

-.2810

-.4509

-.4442

-.4461

-.4190

-.3033

-.5017

-.4572

-.3260

-.2559

(RB1L33)

TABLED PRESSURE DATA - 1A14A - VOL. 3

1414 01+112+S12H23+AT10 LOWER WING

DATE 11 JAN 75

$$\beta_{\text{ETAC}}(10) = 4.412 \quad \beta_{\text{ETAC}}(10) = 0.153$$

DEPENDENT VARIABLE CP

[illegible]

MC/

.099	- .9399	- .1234	.0314	.2998	.4244	.4136	.4136
------	---------	---------	-------	-------	-------	-------	-------

620' 1352' 666' 600' 1352'

cc. 1367

0466 - .0466

Year	1959	1960	1961	1962
1959	1359	1311	1561	1629

.59	- .2446		
.1789		.1504	.0001
1691			

0001 0001 0001

SECRET

99.796 .0330

.334	-.1533	.1621	.1569	.1415	.1503
------	--------	-------	-------	-------	-------

301

1691  
1691  
1691

1100

0221 556 427

.243	.150	.1297
.250	.1336	.1429

1735  
174  
175

162  
1241

2861' 661

.0716		
.1234	.0967	

402 .1587

111

100 - 3013

0.320

6.00

659  
-1103

4117 - 2260 664

.725  
- .257:

664. - 1.2333

.760  
- .3976

544  
- 3475 - 3500

1000  
-4204

.034 -.5553  
1.047 - 1.274 - 1.049

CSO  
-4003 0727 1953

450' - 1000'

.069	- .4193	
		- .432

6000 - 3069 2.000 - 4900

505	- 4200	- 2600	. 990
506	- 4200	- 2600	. 990

CSG  
0000

556. 700891

2007 - '06

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881L33)

APC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA (DEG) = 4.390 BETA (DEG) = 10.140

SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/BW .2890 .3640 .4270 .5340 .6750 .7900 .8870

X/CW

.000	-.5310	-.1425	-.0173	.0774	.2761	.3412	.4051
.020				.1830	.1771	.1713	.1987
.030		-.0927	.0704				
.040			.0992				
.050	-.2986			.1781	.1344	.1114	.1656
.060				.1707			
.085			.1280				
.096		.0014					
.094	-.2280						
.150		.1329		.1006	.1435	.1169	.1473
.163							
.177			.1457				
.229	-.0453						
.246		.1029		.1327	.1190	.1122	.0744
.290			.1495				
.274	.1103						
.352		.1454		.1165	.0848		.0227
.390							
.400							
.432			.1373				
.497	.1236			.0153	-.0281		
.550			.0071				
.565							
.600							
.650							
.670	-.0194						
.725				-.2299			
.750							
.760							
.775							
.808							
.834	-.3691						
.850							
.857							
.885							
.900							
.930							
.941							
.950							
.953							
.965							

(RBIL33)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01-112-512-25-AT10 LOWER WING

ALPHA(0) = 0.345 BETA(1) = -9.980

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	.1865	.0483	.6085	.8647	.8272	.7775	.7456
.020				.5476	.6076	.6430	.6416
.030			.5993				
.040		.2378					
.048			.4938				
.050	.11005			.4529	.5136	.5250	.5240
.060			.4360	.4129			
.085							
.086		.3553					
.094	.0278			.4129	.4903	.4944	.4460
.150		.5209					
.163			.4017				
.177	.0501						
.223		.3701		.4490	.4623	.4579	.3781
.246			.4295				
.250							
.274							
.362	.4430						
.390		.4391		.4929	.4300		.3056
.400			.5072				
.402				.3878	.2979		
.497	.4228		.4664				.1281
.550						.1183	
.565							
.600							
.650							
.700	.6814						
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.897							
.945							
.970							
.990							
.992							
.993							
.995							
.999							





DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IATA - V.M. S  
 4011-716 IATA 01+12+12+25+110 LOWER WING

(881.33)

A. PMA( 9 ) = 0.309 BETAD ( 2 ) = -7.970

SECTION ( 1 ) : LOWER WING DEPENDENT VARIABLE C0

Y/BW	.2890	.3640	.4270	.5340	.5730	.7600	.8870
1/Cu							
.000	.1484	-.0103	.5624	.0311	.7893	.7403	.7115
.020				.5246	.5766	.6151	.6204
.030			.5807				
.040		.1928					
.048			.4724				
.050	.1439			.4287	.4836	.4984	.5741
.080				.3949			
.095			.4158				
.086		.2601					
.094	.0942						
.150		.5050		.5026	.4642	.4733	.4287
.163			.3773				
.177							
.228	.0235						
.246		.5505		.4211	.4422	.4409	.3592
.250			.5918				
.274							
.342	.4288						
.393		.4084		.4771	.4137		.2916
.430			.4832				
.437	.3933			.3800	.2878		
.550			.4556				
.565							.1131
.600						.1040	
.650	.5913			-.0183			
.700				-.0309		-.0824	-.0606
.725							
.740							
.760							
.775							
.808							
.834	-.2416						
.850							
.857							
.865	-.2019						
.900	-.4106						
.915							
.940							
.943							
.964	-.9316						

-.2739

-.4433

-.5522

-.5790

-.5916

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L331)

ARC11-716 1A14 OL-012-S12H25-AT10 LOWER WING

ALPHA(0) = 5.000 BETA(0) = -6.000

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP	
X/CW			
.000	.0917	.4900	.7030
.020		.4883	.7071
.040	.1430	.4867	.7071
.060		.4851	.7071
.080	.0662	.4835	.7071
.100		.4819	.7071
.120	.0885	.4803	.7071
.140		.4787	.7071
.160	.1108	.4771	.7071
.180		.4755	.7071
.200	.1331	.4739	.7071
.220		.4723	.7071
.240	.1554	.4707	.7071
.260		.4691	.7071
.280	.1777	.4675	.7071
.300		.4659	.7071
.320	.1999	.4643	.7071
.340		.4627	.7071
.360	.2222	.4611	.7071
.380		.4595	.7071
.400	.2444	.4579	.7071
.420		.4563	.7071
.440	.2667	.4547	.7071
.460		.4531	.7071
.480	.2889	.4515	.7071
.500		.4499	.7071
.520	.3111	.4483	.7071
.540		.4467	.7071
.560	.3333	.4451	.7071
.580		.4435	.7071
.600	.3556	.4419	.7071
.620		.4403	.7071
.640	.3778	.4387	.7071
.660		.4371	.7071
.680	.4000	.4355	.7071
.700		.4339	.7071
.720	.4222	.4323	.7071
.740		.4307	.7071
.760	.4444	.4291	.7071
.780		.4275	.7071
.800	.4667	.4259	.7071
.820		.4243	.7071
.840	.4889	.4227	.7071
.860		.4211	.7071
.880	.5111	.4195	.7071
.900		.4179	.7071
.920	.5333	.4163	.7071
.940		.4147	.7071
.960	.5556	.4131	.7071
.980		.4115	.7071
.000	.5778	.4099	.7071



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A144 - VOL. 5

PAGE 1929

ARC11-716 1A14 11-112-512-25-AT10 LOWER WING

(881-35)

ACFWAVE 01 = 5.993 BETAD (4) = -4.010

SECTION 1 LOWER WING

DEPENDENT VARIABLE C/F

Y/W -2.990 .3640 .4270 .5340 .6750 .7800 .8670

Y/CW

.000 .0290 -.1167 .4345 .7412 .7146 .6700 .6450  
.020 .030 .4765 .4321 .5330 .5610.040 .040 .0931 .4096  
.060 .0414 .3674 .4045 .4294 .4582  
.080 .050 .3189.100 .060 .3611  
.120 .070 .1458 .3137 .4031 .4255 .3843  
.140 .080 .4436 .3211.160 .090 .2901 .3340 .4060 .4104 .3233  
.180 .100 .3370 .4375 .3336 .2609.200 .110 .3264 .4318 .3336 .2720 .4142 .0613  
.220 .120 .3123 .3769  
.240 .130 .3082 .3576.260 .140 .2937 .3426 .1070 .0970  
.280 .150 .2802 .3286 .1322  
.300 .160 .2656 .3142 .1572 .1472.320 .170 .2511 .3000 .1822 .1722  
.340 .180 .2366 .2856 .2072 .1972  
.360 .190 .2221 .2711 .2322 .2222.380 .200 .2076 .2566 .2572 .2472  
.400 .210 .1931 .2421 .2822 .2722  
.420 .220 .1786 .2276 .3072 .2972.440 .230 .1641 .2131 .3322 .3222  
.460 .240 .1496 .1986 .3572 .3472  
.480 .250 .1351 .1841 .3822 .3722.500 .260 .1206 .1696 .4072 .3972  
.520 .270 .1061 .1551 .4322 .4222  
.540 .280 .0916 .1406 .4572 .4472.560 .290 .0771 .1261 .4822 .4722  
.580 .300 .0626 .1116 .5072 .4972  
.600 .310 .0481 .0971 .5322 .5222.620 .320 .0336 .0826 .5572 .5472  
.640 .330 .0191 .0681 .5822 .5722  
.660 .340 .0046 .0536 .6072 .5972.680 .350 .0000 .0391 .6322 .6222  
.700 .360 .0000 .0246 .6572 .6472  
.720 .370 .0000 .0101 .6822 .6722.740 .380 .0000 .0000 .7072 .6972  
.760 .390 .0000 .0000 .7322 .7222  
.780 .400 .0000 .0000 .7572 .7472.800 .410 .0000 .0000 .7822 .7722  
.820 .420 .0000 .0000 .8072 .7972  
.840 .430 .0000 .0000 .8322 .8222.860 .440 .0000 .0000 .8572 .8472  
.880 .450 .0000 .0000 .8822 .8722  
.900 .460 .0000 .0000 .9072 .8972.920 .470 .0000 .0000 .9322 .9222  
.940 .480 .0000 .0000 .9572 .9472  
.960 .490 .0000 .0000 .9822 .9722.980 .500 .0000 .0000 .10072 .9972  
1.000 .510 .0000 .0000 .10322 .10222

DATE 11 JAN 75

TABULATED PRESSURE DATA - [A144 - VZ. 5

PAGE 1930

(R81L33)

ARC11-716 [A14 01+T12+312R23+AT10 LOWER WING

ALPHA( 9) = 6.010 BETA( 5) = -2.060

SECTION 1: LOWER WING		DEPENDENT VARIABLE CP			
Y/BW		.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW					
.000	-.0474	-.1894	.3931	.6906	.6693 .6248 .6109
.020				.4317	.4494 .4969 .5323
.030			.4787		
.040		.3404			
.048			.3769		
.050	-.0128			.3446	.3647 .3966 .4342
.080				.2957	
.085			.3284		
.086		.1462			
.094	-.0859				
.150				.2796	.3717 .3981 .3689
.153		.4154			
.177			.2855		
.229	.0107				
.246		.0533			
.250				.3339	.37 ~ .3896 .3050
.274			.2901		
.362	.3259				
.390		.2972			
.400			.3816	.4028	.3733 .244^
.402					
.497	.2831			.3332	.2624
.550			.3630		
.565					.0679
.600					
.650					
.700	.4305			-.0519	.0651
.725				-.0663	
.750					-.1223 -.1114
.750			-.1963	-.2129	-.1320
.775			-.3624		
.808					
.834	-.2378			-.4082	-.3242 -.2895
.950			-.4536		
.857					
.865	-.2840				
.900	-.3755			-.3172	-.3248
.925			-.5337	-.4961	
.950			-.5889		.0000
.955			-.4591		
.965	-.4283				



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 1931

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

(881.33)

ALPHA( 9 ) = 6.020 BETA( 6 ) = .053

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1331	-.2676	.3172	.6293	.6129	.5804	.5773
.020				.3943	.4027	.4495	.4951
.030			.4511				
.040		-.0116					
.048			.3563				
.050	-.0449			.3073	.3151	.3481	.4024
.080				.2587			
.095			.3048				
.096		.1432					
.094	-.1033			.2298	.3156	.3690	.3450
.150		.3801					
.153			.2514				
.177							
.229	.0332						
.245		.2276					
.250			.2454		.2617	.3267	.3605
.274							.2823
.352	.2774						
.390		.2323					
.400				.3296	.3366		.2228
.402			.3028				
.497	.2435			.2728	.2305		
.550							
.565							
.603			.2821				.0460
.650					.0449		
.700	.6			-.1187	-.0753		
.725							
.750							
.760			-.2327			-.1423	-.1300
.775				-.2620	-.1713		
.808			-.3788				
.834	-.2426						
.850				-.4536	-.3468	-.3085	
.857			-.4591				
.865	-.2939						
.900	-.3494						-.3404
.905				-.5605			
.930			-.5474		-.5124		.0000
.943				-.5331			
.965	-.3586		-.4224				

(R81L33)

ARC11-716 1A14 01+112+512N25+AT10 LOWER WING

ALPHAD( 9 ) = 6.010 BETA0 ( 7 ) = 2.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.2353	-.4161	.2079	.3762	.5599	.5364	.5360
.020				.3773	.3772	.3960	.4576
.030			.3992				
.040		-.0699					
.048			.3217				
.050	-.1100			.2886	.2900	.2993	.3719
.080				.2395			
.085			.2742				
.086		.1165					
.094	-.0822			.2045	.2594	.3182	.3197
.150							
.163		.3005					
.177			.2266				
.223	.0265						
.246		.2044					
.250				.2156	.2794	.3270	.2563
.274			.2222				
.362	.2146						
.390		.2241					
.400			.2377	.2594	.2916		.1994
.402							
.497	.2139			.1989	.1935		
.550			.1695				
.565						.0254	
.600					.0209		
.650							
.700	.1010			-.1698	-.1073		
.725						-.1619	-.1349
.750			-.2232				
.760				-.2907	-.2071		
.775			-.3647				
.808							
.834	-.2401						
.850				-.4729	-.3752	-.3295	
.857			-.4572				
.865	-.3102						-.3490
.900	-.3170						
.925			-.5191	-.5605	-.5325		
.950				-.4101		.0000	
.955			-.3608				
.965	-.2875						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 1933

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING (R01L33)

ALPHA ( 9 ) = 5.990 BETA ( 8 ) = 4.060

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	-.3322	-.3637	.0574	.4811 .5145 .5207 .5195
.020				.3241 .3484 .4190 .4248
.030			.2722	
.040		-.0948		
.048			.2448	
.050	-.1586		.2471	.2658 .3101 .3383
.060				.2085
.065			.2206	
.066		.0901		
.064	-.1141			
.150		.2235	.1844	.2744 .2788 .2941
.163			.1999	
.177				
.229	.0287			
.246		.1745		
.250			.1852	.2376 .2850 .2301
.274		.1968		
.352	.1779			
.390		.1900		
.400			.1836	.2325 .1702
.402		.1937		
.497	.1777		.0952	.1364 .0027
.530		.0924		
.565				-.0103
.600				
.650				
.700	.0980			
.725			-.2245	
.750				-.1490
.760				
.775				
.808				
.834	-.3337			
.850				
.857				
.865	-.4340			
.900	-.3793			
.905				
.940				
.953				
.965	-.2749			

(R81L33)

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA( 9 ) = 5.903 BETA( 9 ) = 6.090

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP									
Y/BW	.2990	.3640	.4273	.5340	.6730	.7800	.8870			
X/CW										
.000	-.4560	-.2406	-.0335	.3160	.4906	.4536	.4710			
.020				.2712	.3028	.3156	.3655			
.030			.1958							
.040		-.1074								
.048			.1930							
.050	-.1906			.2252	.2245	.2196	.2912			
.060				.2341						
.085			.1927							
.086		.0619								
.094	-.1240									
.150				.1878	.1967	.2121	.2537			
.163		.1830								
.177			.1852							
.229	.0251									
.245		.1515		.1769	.1695	.2253	.2017			
.250			.1813							
.274										
.352	.1474	.1759		.1400	.1574		.1436			
.390										
.400										
.402			.1685							
.497	.1629			.0518	.0642					
.550			.0562							
.565										
.600										
.650										
.700										
.725	.0834			-.2196	-.1877					
.750										
.760			-.2633	-.3036	-.2728					
.775										
.806			-.3902							
.814	-.3343									
.850										
.857			-.4320							
.865	-.4038									
.900	-.3754									
.905			-.4499	-.4802	-.5379					
.910										
.953			-.3111							
.965	-.2503									
.965	-.2864									





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 5

ARC11-716 IAL4 01+112+512N25+AT10 LOWER WING (881L33)

ALPHA(9) = 5.970 BETA(10) = 0.160

SECTION 1 (11) LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/B	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.5581	-.1493	-.0169	.1321	.3959	.4094	.4185
.020				.2120	.2569	.2917	.3136
.030			.1325				
.040		-.0672					
.048			.1467				
.050	-.2235			.2023	.2157	.2004	.2432
.060				.1926			
.085			.1645				
.095		.0561					
.094	-.1329						
.140				.1818	.1890	.1906	.2133
.163		.1570					
.177			.1819				
.229	.0232						
.245		.1437		.1739	.1616	.1817	.1560
.250			.1868				
.274							
.362	.1334						
.390		.1801					
.400			.1733	.1374	.1227		.0934
.402							
.437	.1635			.0323	.0204		
.553			.0463				
.565							-.0674
.600					-.0979		
.650		.0434			-.1955		
.700				-.2427		-.2492	-.2254
.725							
.750			-.2895				
.760				-.3431	-.2888		
.775			-.4195				
.808							
.834	-.3458			-.4516	-.4172	-.3901	
.850							
.857			-.4525				
.865	-.3972						-.4205
.900	-.3776			-.4549		-.4564	
.935			-.4218				
.950				-.2919		.0000	
.953			-.2693				
.955	-.3052						

(RBL33)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 3  
ARC11-716 IAI14 01+712+512M25+AT10 LOWER WING

ALPHA(1) = 5.950 BETA(11) = 10.160

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	.8990	.3640	.4270	.5340	.6730	.7800	.8870
1/CM							
.000	-.9306	-.1589	-.0759	-.0252	.2098	.3341	.3943
.020				.1959	.2286	.2569	.3525
.030			.0333				
.040		-.1026					
.048			.1065				
.050	-.2897		.2060	.2050	.1781	.2645	
.060			.2039				
.085			.1483				
.086		.0023					
.094	-.2139			.1953	.1799	.1719	.1984
.130		.1340					
.153			.1723				
.177							
.229	-.0212						
.246		.1249		.1844	.1586	.1776	.1144
.253			.1775				
.274							
.352	.1272			.1507	.1174		.0642
.390		.1703					
.400			.1615				
.432				.0486	.0091		-.0973
.437	.1472					-.1122	
.550			.0295				
.565							
.600							
.650							
.700	.0014			-.2002			
.725				-.2292			
.750							
.760			-.3178				
.775			-.4437	-.3240	-.2988		
.808							
.834	-.3683			-.4440	-.4291	-.3911	
.850			-.4814				
.857							
.865	-.4237						
.900	-.3968			-.4637			-.4335
.905			-.4253		-.3356		
.930			-.2479			.0000	
.933			-.2819				
.965	-.2886						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881,33)

ARC11-716 1A14 1011245124-110 LOWER WING

ALPHA=0.0015 7.910 BETAD (1) = -10.030

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE C/P

Y/B	.2990	.3640	.4270	.5340	.6730	.7900	.8970
Y/CW							
.000	.1873	.0599	.6237	.0836	.0206	.7525	.7136
.020			.6127	.5781	.6700	.7097	.7019
.040		.2745					
.060			.4959				
.080	.1733		.4637	.5598	.5766	.5751	
.100			.4089				
.120	.0335		.4221				
.140	.046	.4017					
.160	.0454			.4075	.5307	.5184	.4767
.180	.153	.5144					
.200	.177		.3735				
.220	.1243	.3429		.4182	.4569	.4652	.3922
.240	.246		.4044				
.260	.274	.4129					
.280	.362	.4278		.4445	.4070		.3169
.300	.333		.4640				
.320	.470			.5378	.2775		
.340	.402	.4046	.4262				.1301
.360	.497						
.380	.550						
.400	.555						
.420	.600						
.440	.650						
.460	.700	.5909					
.480	.725						
.500	.750						
.520	.775						
.540	.819						
.560	.834						
.580	.850						
.600	.857						
.620	.865						
.640	.910						
.660	.915						
.680	.950						
.700	.955						
.720	.965						
.740	.965						
.760	.965						
.780	.965						
.800	.965						
.820	.965						
.840	.965						
.860	.965						
.880	.965						
.900	.965						
.920	.965						
.940	.965						
.960	.965						
.980	.965						
.1000	.965						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L33)

SC11-116 1A14 01+112+512M25+ATIO LOWER WING

ALPHA(10) = 7.930 BETA(12) = -0.030

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/CW	1/84	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	.1426	-.0020	.5676	.8441	.7882	.7182	.6742	
.020			.5504	.6402	.6935	.6814		
.030			.5926					
.040		.2202						
.049			.4731					
.050	.1170			.4391	.5302	.5502	.5583	
.060				.3879				
.065			.4014					
.066		.3608						
.074	.0156			.3811	.4762	.4964	.4569	
.100		.4946						
.165			.3527					
.177								
.220	.0775							
.246		.3269						
.250				.4014	.4369	.4491	.3753	
.274		.3824						
.362	.4131							
.390		.3937						
.400				.4357	.3922		.2963	
.402			.4488					
.497	.3785			.3372	.2625			
.500			.4187					
.565								.1131
.600								
.650	.3659				-.0307		.0978	
.700				-.0485		-.0865	-.0591	
.725								
.750			-.1688					
.760				-.1934	-.1207			
.775			-.5329					
.800								
.834	-.2599			-.3637	-.2715	-.2517		
.850								
.857			-.4498					
.865	-.3040							
.900	.0045			-.4553				-.2767
.905			-.5122		.4161			
.950				-.5223		.0000		
.955			-.5594					
.965	-.4753							



(RBL33)

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IAI4A - VZ. 5  
 ALPHA(10) = 7.010 BETA( 3) = -5.970  
 SECTION NUMBER WING  
 DEPENDENT VARIABLE C<sub>D</sub>

Y/BW

X/CW

.000	.0891	-.0699	.4943	.7941	.7518	.6833	.6371
.020				.5357	.6130	.6650	.6820
.030			.5674				
.040		.1607					
.050			.4561				
.060	.1077			.4324	.5035	.5335	.5456
.080			.3972	.3907			
.090		.2741					
.100	-.0097			.3724	.4636	.4832	.4399
.120		.4787					
.130		.3483					
.140	.0612						
.150		.3187		.3943	.4290	.4421	.3611
.160		.3691					
.180	.3999						
.200		.3790		.4385	.5934		.2854
.220			.4450				
.240	.3630			.3438	.2622		
.260			.4175				
.280							
.300	.5449					.0879	.0398
.320					.0347		
.340							
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							
.995							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881533)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHAD(3) = 7.97 BETAD (4) = -4.000

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

V/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	-.1407	.4190	.7437	.7126	.6460	.5020
.020				.5247	.5842	.6381	.6419
.030			.5303				
.040		.1087					
.048			.4333				
.050	.0706			.4222	.4874	.5142	.5320
.090				.3681			
.094			.3788				
.096		.2220					
.094	-.0284			.3570	.4523	.4701	.4316
.130			.4532				
.163			.3333				
.177							
.229	.0434						
.246		.2964					
.250				.3853	.4183	.4331	.3523
.274		.3336					
.352	.3721			.4330	.3907		.2736
.390		.3538					
.400			.4266				
.402							
.497	.3376			.3466	.2660		
.550			.3978				.0904
.563							
.600							
.630							
.650	.5040						
.670				-.0377			
.725				-.0512			
.750							
.760			-.1797				
.775				-.2029	-.1338		
.806			-.3463				
.834	-.2434						
.850				-.3913	-.2960	-.2714	
.857			-.4482				
.865	-.2914						
.900	-.3842			-.4982			-.3001
.908			-.5236	-.4695			
.950				-.5816		.0000	
.953			-.4619				
.965	-.4421						



DATE 11 JAN 75

TABULATED PRESSURE DATA - TATDA - W5

PAGE 1841

ASC11-716 TATA D1+712+512+25+AT10 LOWER WING

(491133)

ALPHADIGIT = 7.030 BETAD (9) = -2.030

SECTION 1: LOWER WING

DEPENDENT VARIABLE C<sub>p</sub>

X/CW	Y/CW	SECTION 1: LOWER WING	DEPENDENT VARIABLE C <sub>p</sub>
.000	.000	.2000	.3640
.020	.020	.4270	.5340
.040	.040	.5340	.6730
.060	.060	.6730	.7800
.080	.080	.7800	.8670
.100	.100	.8670	.9300
.120	.120	.9300	.9696
.140	.140	.9696	.9888
.160	.160	.9888	.9934
.180	.180	.9934	.9955
.200	.200	.9955	.9963
.220	.220	.9963	.9966
.240	.240	.9966	.9967
.260	.260	.9967	.9967
.280	.280	.9967	.9967
.300	.300	.9967	.9967
.320	.320	.9967	.9967
.340	.340	.9967	.9967
.360	.360	.9967	.9967
.380	.380	.9967	.9967
.400	.400	.9967	.9967
.420	.420	.9967	.9967
.440	.440	.9967	.9967
.460	.460	.9967	.9967
.480	.480	.9967	.9967
.500	.500	.9967	.9967
.520	.520	.9967	.9967
.540	.540	.9967	.9967
.560	.560	.9967	.9967
.580	.580	.9967	.9967
.600	.600	.9967	.9967
.620	.620	.9967	.9967
.640	.640	.9967	.9967
.660	.660	.9967	.9967
.680	.680	.9967	.9967
.700	.700	.9967	.9967
.720	.720	.9967	.9967
.740	.740	.9967	.9967
.760	.760	.9967	.9967
.780	.780	.9967	.9967
.800	.800	.9967	.9967
.820	.820	.9967	.9967
.840	.840	.9967	.9967
.860	.860	.9967	.9967
.880	.880	.9967	.9967
.900	.900	.9967	.9967
.920	.920	.9967	.9967
.940	.940	.9967	.9967
.960	.960	.9967	.9967
.980	.980	.9967	.9967
1.000	1.000	.9967	.9967

DATE 11 JAN 73 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(851235)

ASC11-716 1A14 DIS112+512+25+ATIO LOWER WING

A. PHADITION = 7.040 BETAD / 512 .340

SECTIONAL LIFT/DRAW WING DEPENDENT VARIABLE CO

1/24 .2000 .5040 .4270 .5340 .5750 .7500 .0070

1/24

.000	-.1151	-.3117	.2640	.6105	.6216	.5723	.5309
.020				.4411	.4944	.5557	.5806
.040		.0032					
.060			.3710				
.080	-.0240			.3412	.3976	.4367	.4701
.100				.2037			
.120		.3139					
.140		.1649					
.160	-.0603			.2551	.3541	.4080	.3863
.180		.3955					
.200		.2499					
.220	.0147	.2308					
.240			.2730	.3409	.3816	.5005	
.260	.274	.2612					
.280	.2007	.2647					
.300			.3124	.3239		.2363	
.320		.3005					
.340	.2465		.2409	.2166			.3537
.360		.2630				.0436	
.380							
.400	.2070						
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							





DATE 11 JAN 75  
TABULATED PRESSURE DATA - 1A14A - V2. 3

(498-33)

016-716 1A14 3107120S120230AT19 13083 W1:6

$$A_{\text{FM4}}(19) = 1.032 \quad B(19, 19) = 2.543$$

DEPARTMENT OF THE ARMY  
WASHINGTON, D. C. 20315

17/8	2000	3640	4270	3340	6710	7000	8670
000	-2400	-4091	.1301	.5593	.5593	.5211	.5027
020			.4124	.4335	.4337	.5127	.5409
040		-3080					
060	-3904		.3438	.3322	.3316	.3484	.4416
080			.2934	.2723			
100		.1137					
120	-3590	.3279		.2343	.5120	.3617	.3571
140			.2419				
160	.0919	.2165		.2916	.3307	.3470	.2933
180			.2323				
200	.2267	.2910					.2163
220			.2436	.2464	.2842		
240	.2192		.1621	.1704	.1788		.0339
260						.0205	
280	.1030			.11095	.1375		
300			.2391			.1355	.1393
320			.3332	.3798	.2371		
340							
360	-2536		.4386	.4721	.3670	.33236	
380							
400	.2006			.3597			.3306
420	-2493		.4639		.4200		
440			.3259	.3100		.1390	
460	-2660						

CRB1(L33)

DATE 11 JAN 75

ARC11-716 1A14 01+Y12+S12H25+Y1D LOWER WING

ALPHA=0.171    7.073    BETA=0.000    4.365

SECTION ( 1 ) LOWER WING			DEPENDENT VARIABLE CP				
Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3482	-.4467	-.0206	.4330	.5064	.5117	.4928
.020				.3731	.4390	.5093	.5219
.030							
.040		-.1062					
.048				.2590			
.050	-.1305			.2952	.3521	.3844	.4185
.060				.2530			
.085							
.086		.0877		.2430			
.094	-.0841						
.150		.2332		.2233	.3119	.3421	.3408
.163							
.177			.2200				
.229	.0472						
.246		.1952					
.250				.2160	.2819	.3219	.2611
.274			.2146				
.362	.1923						
.390		.2059		.2048	.2365		.1975
.400			.2050				
.412	.1923			.1086	.1328		
.550			.0959				.0172
.565						-.0017	
.600					-.1417		
.650				-.2066			
.700	.0902						
.725							
.750			-.2625				
.760				-.3044	-.2351		
.775							
.808			-.4011				
.834	-.3265						
.850							
.857			-.4355				
.865	-.3930						
.900	-.3630			-.4497	-.3901	-.3412	
.925							
.950			-.4862				
.953				-.5297	-.5305		-.3619
.953				-.4014			.0000
.965	-.2824		-.2794				

ARC11-716 1A14 01+712+S12N2S+AT1D LOWER WING

(R01133)

$$\text{ALFMA} \cdot C(10) = 7.970 \quad \text{BETA} \cdot C(9) = 6.169$$

SECTION ( 1 ) LOWER WING			DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4498	-.2916	-.0908	.2342	.4930	.4393	.4642
.020				.3004	.3805	.4261	.4742
.040		-.1263					
.068			.2000				
.090	-.1637			.2481	.2920	.3155	.3839
.085			.2096	.2261			
.086		.0593					
.094	-.1013						
.150		.1951		.2027	.2408	.2819	.3122
.163							
.177			.2044				
.229	.0360						
.246		.1683					
.250				.1836	.2079	.2852	.2388
.274			.1982				
.390	.1812	.1904					
.400				.1513	.1843		.1694
.402			.1813				
.497	.1776			.0478	.0824		
.550			.0871				
.565							
.600							
.650							
.700	.0780						
.725				-.2284			
.750							
.760			-.2528				
.775				-.3099	-.2516		
.808			-.3697				
.834	-.3312						
.850			-.4208	-.4384	-.3951	-.3581	
.857							
.865	-.3937						
.900	-.3700		-.4450	-.4973	-.3291		-.3763
.905							
.950			-.2666	-.4147		.0000	
.953							
.965	-.2807						

(RB1133)

ARC11-716 IAI4 01+T12+S12M23+AT10 LOWER WING

ALPHA(10) = 7.900 BETA(10) = 0.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3600	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.9305	-.1737	-.0765	.0630	.4042	.4144	.4096
.020			.1205	.2264	.3399	.3863	.4293
.030		-.0951					
.040			.1530	.2230	.2676	.2770	.3450
.048				.2173			
.050	-.2140		.1621				
.080							
.085			.0536				
.086							
.094	-.1240			.2076	.2283	.2514	.2739
.150		.1599					
.163			.2002				
.177							
.229	.0370						
.246		.1620					
.250			.2038	.1886	.1926	.2405	.2000
.274							
.362	.1510						
.390		.1937		.1541	.1515		.1363
.400			.081				
.402							
.497	.1802			.0461	.0466		
.550			.0612				
.565							
.600							
.650							
.700	.0333						
.725				-.2292	-.1787		
.750							
.760							
.775							
.808							
.834	-.3417						
.850							
.857							
.865							
.900	-.4024						
.907							
.925							
.950							
.953							
.965							



DATE 11 JAN 75

TABULATED PRESSURE DATA - TA14A - VOL. 5

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(801133)

ARC11-716 TA14 31+T12+S12+25+AT10 LOWER WING

ALPHA(10) = 7.960 BETA(11) = 10.230

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/84	.2990	.3640	.4270	.5340	.6730	.7900	.8870
.000	-.5280	-.1754	-.1285	-.0959	.2541	.3372	.3907	
.020			.2074	.2998	.3440	.4176		
.030			.0507					
.040		-.1146						
.048			.1223					
.050	-.2727		.2248	.2570	.2511	.3388		
.080			.2238					
.085			.1730					
.088		.0024						
.094	-.1965			.2155	.2175	.2493	.2608	
.150		.1430						
.163			.1999					
.177								
.229	-.0091	.1459		.1937	.1867	.2168	.1797	
.246			.1989					
.250								
.274								
.362	.1412	.1833		.1548	.1467		.1169	
.390								
.400			.1772					
.402								
.497	.1606			.0448	.0380			
.550			.0411					
.565								
.609								
.650								
.700	.0114							
.725				-.2303				
.750								
.760			-.3583					
.775				-.3325	-.2764			
.808			-.4303					
.834	-.3814							
.850				-.4578	-.4096	-.3762		
.857			-.4715					
.865	-.4253							
.900	-.3961			-.5002				
.905			-.4298		-.5156			
.910								
.933			-.3310			.0000		
.965	-.3084		-.2966					

(RB1L33)

TABULATED PRESSURE DATA - IAI4A - VOL. 5

ARC11-716 IAI4 01+112+512N25+1110 LOWER WING

ALPHA(11) = 9.890 BETA(1) = -9.960

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	.2905	.1088	.6593	.9136	.8295	.7271	.5546	
.020				.5742	.7320	.7807	.7756	
.030		.3186		.5999				
.040			.4673					
.048	.1706			.4417	.6064	.6398	.6421	
.050			.3764	.3782				
.085		.4170						
.085	.0740							
.094				.3778	.5110	.5529	.5193	
.150		.4817						
.163			.3234					
.177								
.229	.1947		.2953					
.246				.3827	.4573	.4850	.4224	
.250			.3705					
.274		.3979						
.362			.3875					
.390				.3900	.3949		.3383	
.400			.4167					
.422	.3816							
.497			.2844	.2616				
.550			.3728					
.565						.1165		
.600							.1476	
.650								
.700	.5506							
.725								
.750								
.760								
.775								
.800								
.834								
.850								
.857								
.865								
.900								
.925								
.950								
.953								
.965								



DATE 11 JAN 73

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(RBL33)

ARC11-716 1A14 01+112+512+25+AT10 LOWER WING

ALPHA(11) = 9.930 BETA( 2) = -7.920

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340
		.6730	.7800
		.8870	
.000	.1493	.6087	.8845
.020			.8032
.030		.5955	.6952
.040	.2579		.7679
.060		.4656	.7483
.080	.1449		
.100		.4281	.6192
.120		.3587	.6237
.140	.3824		
.160	.0476		
.180		.3530	.5334
.200	.4798		.5010
.220		.3085	
.240	.1511		
.260	.2907		
.280		.3701	.4669
.300	.3542		.4056
.320	.3898		
.340	.3731		
.360		.3851	.3725
.380	.4142		.3217
.400		.2883	.2460
.420	.3801		
.440			.1034
.460		.0549	
.480	.5373		
.500		.0328	
.520			
.540		.0746	.0395
.560			
.580		.1899	.1108
.600		.3173	
.620			
.640		.3418	.2500
.660			.2292
.680		.4317	
.700			
.720			
.740			
.760			
.780			
.800			
.820			
.840			
.860			
.880			
.900			
.920			
.940			
.960			
.980			
1.000			

(RBL133)

ARCL1-716 1A14 010112012H25+AT10 LOWER WING

ALPHA(11) = 9.940 BETA( 3 ) = -6.010

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	.1006	-.0289	.5419	.8474 .7734 .6667 .5944
.020			.5837	.5570 .6747 .7447 .7356
.030				
.040		.2013		
.048			.4604	
.050	.1004			.4233 .5560 .6029 .6143
.080				.3562
.085			.3785	
.086		.3305		
.094	.0155			
.150			.3455	.4717 .5198 .4914
.163		.4732		
.177			.3145	
.229	.1053			
.246		.2901		
.250			.3599	.4212 .4374 .3910
.274			.3456	
.362	.3844			
.390		.3630		
.400			.3975	.3619 .3060
.402			.4149	
.497	.3550			
.550			.2977	.2367
.565			.3056	
.600				.1161
.650				.0916
.8239			-.0323	-.0391
.700				-.0835 -.0942
.725				
.750			-.1697	-.1940 -.1202
.760			-.3269	
.775				
.820			-.3923	-.2572 -.2392
.834	-.2499		-.4398	
.850				
.857				
.865	-.8945			
.900	-.3826		-.4363	-.3970 -.2663
.925			-.4977	-.5075 .3000
.950				
.955			-.5432	
.945	-.4350			





(881L33)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01-012-012N25+AT10 LOWER WING

ALPHA(111) = 9.690 BETA( 4 ) = -3.990

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/8W .8090 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0232	-.1215	.4534	.7846	.7300	.6307	.5631
.020	.020		.5909	.5444	.6450	.7104	.7037
.040		.1424					
.060			.4336	.4157	.5267	.5677	.5883
.080	.0727			.3533			
.100			.3636				
.120		.2731					
.140	-.0113			.3287	.4515	.4958	.4534
.160		.4488					
.180			.3022				
.200	.0699	.2729		.3484	.4010	.4380	.3692
.220			.3276				
.240	.3620	.3328		.3807	.3489		.2863
.260			.3919				
.280	.3211		.3634	.2901	.2280		.0969
.300						.0741	
.320				-.0650	-.0932		
.340	.4755					-.1012	-.0724
.360		-.1091					
.380			-.2065	-.1356			
.400		-.3472					
.420							
.440	-.2903			-.3740	-.2808	-.2587	
.460		-.4328					
.480							
.500	-.2973			-.4657			-.2819
.520	-.3772						
.540		-.5159		-.4205			.0000
.560			-.9366				
.580		-.4908					
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							

(R81L33)

ARC11-716 1A14 010712+312M25+ATIO LOWER WING

ALPHA(III) = 9.900 BETA (S) = -1.900

SECTION ( I ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7890	.8870
X/CW							
.000	-.0621	-.2232	.3302	.7131	.6822	.5915	.5243
.020				.5326	.6122	.6773	.6774
.030			.5187				
.040		.0671					
.048			.4133				
.050	.0462			.4033	.4983	.5406	.5649
.060				.3295			
.085			.3513				
.086		.2203					
.094	-.0343						
.150				.2870	.4212	.4686	.4485
.163		.4241					
.177			.2762				
.229	.1036						
.248		.2497					
.290				.2960	.3689	.4137	.3903
.274			.2762				
.362	.3286						
.390		.2797					
.400				.3324	.3235		.2665
.402			.3343				
.487	.2649			.2496	.2047		
.550			.3014				
.565							.0794
.600						.0535	
.610				-.1090	-.0720		
.700	.3014						
.725						-.1171	-.0909
.750							
.760			-.2232	-.2474	-.1970		
.775			-.3722				
.808							
.834	-.2475			-.4237	-.3015	-.2729	
.850							
.857			-.4363				
.865	-.2647						
.900	-.3495			-.5184			-.2958
.925			-.5189	-.4745			
.950				-.5801		.9000	
.953			-.3797				
.965	-.3624						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAL14A - VOL. 5

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ARC11-716 IAL14 01+Y12+512N25+AT10 LOWER WING

(R01L33)

ALPHAC(111) = 9.019 BETAD (6) = .020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	-.1645	-.3649	.2905	.6293	.6233	.5527
.020					.5019	.5744	.6474
.030			.4612				
.040		.0157					
.048			.3720				
.050	-.0800			.3021	.4627	.5108	.5430
.080			.3227	.3116			
.085							
.086		.1022					
.094	-.0036						
.150		.3911		.2703	.3937	.4448	.4265
.165			.2563				
.177		.0762					
.229		.2238					
.246			.2530	.2668	.3452	.3971	.3353
.250							
.274	.2846	.2347					
.362							
.390				.2918	.3066		.2494
.400		.2859					
.402							
.497	.2343			.2048	.1803		
.550			.2268				
.565							.0695
.600							
.650					.0394		
.700	.2725			-.1520	-.0899		
.725						-.1308	-.1110
.750		-.2611					
.760				-.2848	-.1853		
.775			-.3728				
.808							
.834	-.2298			-.4624	-.3381	-.2989	
.850			-.4315				
.857							
.865	-.2680						
.900	-.2803			-.5590			-.3175
.935			-.5052		-.4889		
.950				-.3643		.0000	
.953			-.3221				
.965	-.2719						

(R01L33)

ARC11-716 1A14 01-T12-S12MS+AT10 LOWER WING

ALPHA(11) = 9.950 BETA( 7) = 2.540

SECTION ( 1) LOWER WING DEFENDENT VARIABLE CP

V/BW	.2950	.3640	.4270	.5340	.6750	.7800	.8870
X/CM							
.950	-.2543	-.3361	.0575	.5342	.5607	.5140	.4649
.920				.4617	.5303	.5970	.6186
.900							
.880							
.860							
.840							
.820							
.800							
.780							
.760							
.740							
.720							
.700							
.680							
.660							
.640							
.620							
.600							
.580							
.560							
.540							
.520							
.500							
.480							
.460							
.440							
.420							
.400							
.380							
.360							
.340							
.320							
.300							
.280							
.260							
.240							
.220							
.200							
.180							
.160							
.140							
.120							
.100							
.080							
.060							
.040							
.020							
.000							
-.020							
-.040							
-.060							
-.080							
-.100							
-.120							
-.140							
-.160							
-.180							
-.200							
-.220							
-.240							
-.260							
-.280							
-.300							
-.320							
-.340							
-.360							
-.380							
-.400							
-.420							
-.440							
-.460							
-.480							
-.500							
-.520							
-.540							
-.560							
-.580							
-.600							
-.620							
-.640							
-.660							
-.680							
-.700							
-.720							
-.740							
-.760							
-.780							
-.800							
-.820							
-.840							
-.860							
-.880							
-.900							
-.920							
-.940							
-.960							
-.980							
-1.000							



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(801L33)

ARC11-716 1A14 OR-712-51285-AT10 LOWER WING

ALPHA(11) = 9.000 BETA( 8 ) = 4.130

SECTION ( 1) LOWER WING DEFLECT VARIABLE CP

1/8W .2000 .3640 .6270 .3340 .6750 .7000 .8070

2/CM

.920	-.3320	-.5131	-.0781	.4016	.5245	.5120	.4879
.925			.2670	.3771	.5109	.5034	.5959
.930		-.1091					
.940			.2609				
.950	-.1091			.2986	.4170	.4527	.4917
.960			.2537	.2526			
.965		.0054					
.966	-.0634			.2220	.3556	.3882	.3854
.967		.2557					
.970			.2285				
.975	.0350						
.976		.2750		.2149	.2709	.3402	.2966
.977			.2187				
.982	.1370						
.983		.2570					
.985				.1925	.2415		.2188
.990			.2046				
.992				.0000	.1348		
.997	.1901		.0956				
.999							.0304
.999	.0907				.0019		
.999				-.1400			
.999				-.2299			
.999					-.1731	-.1442	
.999							
.999				-.2632			
.999				-.3315	-.2334		
.999							
.999				-.3956			
.999							
.999	-.3284			-.4004	-.3033	-.3307	
.999							
.999				-.4566			
.999							
.999	-.3083						
.999	-.3554						
.999				-.5620			-.3540
.999				-.4009	-.3365		
.999							
.999				-.4506			
.999							
.999				-.2056			
.999							
.999	-.2502						

ORIGINAL PAGE IS  
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(201733)

TABLE 1. AVERAGED PRESSURE DATA - 1A144 - V02 - 3

08C11-716 1A14 01-712-912M25-AT10 LOWER WING

**BETAO (9) = 6.103**

9414 BANC 111, MC11338

DEPENDENT VARIABLE C0

Y/R/W	20993	3645	4270	3340	6730	7800	8870
X/CW							
.000	-.4336	-.3296	-.1326	.2909	.4906	.4743	.4469
.020			.1807	.3290	.4197	.5026	.5513
.030		-.1263					
.040							
.048			.2103	.2783	.3300	.3838	.4517
.050	-.1468			.2502			
.060			.2239				
.066		.0667					
.068	-.0643						
.100		.2056		.2243	.2747	.3426	.3534
.163							
.177			.2144				
.209	.0470	.1608					
.246							
.250				.2078	.2904	.3114	.2675
.274			.2077				
.362	.1753	.1947					
.390			.1866	.1744	.1941		.1927
.402							
.497	.1833			.0679	.0473		.0077
.520							
.565			.0662			-.0804	
.600							
.610	.0734			-.1732			
.700			-.2056				
.725							
.780			-.2369				
.790				-.2912	-.2343		
.798			-.3719				
.806							
.834	-.3333						
.890				-.4800	-.3969	-.3509	
.887			-.4203				
.863	-.3947						
.900	-.3470		-.4442	-.4797	-.3373		-.3749
.935							
.950			-.4611				.0000
.953			-.2642				
.963	-.2649						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L33)

ARC11-716 1A14 01+T12+S12N25+AT10 LOWER WING

ALPHA(11) = 9.870 BETA(10) = 0.110

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

V/9W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.9123	-.2086	-.1382	.0444	.4410	.4252	.3994
.020				.2630	.3967	.4606	.5039
.030			.1123				
.040		-.1184					
.048			.1599				
.050	-.1891			.2532	.3085	.3427	.4098
.060				.2437			
.085			.1961				
.086		.0524					
.094	-.1116						
.150				.2256	.2508	.3052	.3249
.163		.1694					
.177			.2118				
.229	.0597						
.246		.1733					
.250				.2581	.2085	.2761	.2357
.274			.2085				
.362	.1620						
.390		.1991					
.400				.1682	.1626		.1601
.402			.1874				
.497	.1892			.0602	.0580		
.550							
.565							
.600							
.650							
.700	.0374						
.725				-.2103		-.0542	
.750							
.760							
.775							
.808							
.834	-.3453						
.850							
.857							
.865	-.4122						
.900	-.3855						
.925							
.950							
.953							
.965	-.2938						

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(R81L33)

ARC11-716 IAI4 01+112+S12N25+AT10 LOWER WING

ALPHA(11) = 10.000 BETA(11) = 10.190

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP				
Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
.000	-.4970	-.1066	-.1681	-.0911	.3537	.3960 .3930
.020				.2435	.3548	.4251 .4939
.030			.0181			
.040		-.1210				
.048			.1357			
.050	-.2580			.2581	.2859	.3232 .4019
.080				.2512		
.085			.1917			
.086		.0123				
.094	-.1770					
.150				.2256	.2314	.3044 .3035
.163		.1480				
.177			.2058			
.229	.0113					
.246		.1565		.2004	.2005	.2591 .2224
.250			.1989			
.274						
.362	.1426					
.390		.1810		.1583	.1560	.1501
.400			.1727			
.402						
.497	.1588			.0332	.0475	.0483
.550						
.565						
.600						
.650						
.700	.0075			-.2162	-.1766	-.0642
.725						
.750						
.760				-.2967		-.2243
.775						
.808				-.4109	-.3035	-.2693
.834	-.3837					
.850						
.857				-.4556	-.4265	-.4012
.858						
.865	-.4256					
.900	-.3956			-.4824	-.4824	-.3996
.905				-.4372	-.5258	
.950				-.3964		.0000
.953				-.3076		
.965	-.3041					





DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

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ARC11-716 1A14 01+112+S12N25+AT11 LOWER WING (R01L34) ( 15 FEB 74 )

## REFERENCE DATA

SREF = 2.4210 30.FT. XMRP = 29.5000 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA( 1 ) = -0.010 BETA( 1 ) = -7.980

## PARAMETRIC DATA

MACH = .600 ELEVON = .000  
 RUDDER = .000 SPODRK = .000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0311	.0907	.1076	.1351	-.0490	-.2125	-.1228
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.437							
.550							
.555							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							

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(R81L34)

ARC11-716 1A14 OL+T12+S12N25+AT11 LOWER WING

ALPHA( 1 ) = -0.010 BETA( 1 ) = -7.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.930  
.933  
.965  
-0.479  
-1.1500  
-2.245

ALPHA( 1 ) = -7.990 BETA( 2 ) = -3.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.086  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.565  
.600  
.650  
.700  
.725  
.750  
.760  
.775  
.800  
.834  
.890

-.0073  
-.0472  
-.0929  
-.0125  
-.2303  
-.3671  
-.2507  
-1.2940  
-1.7970  
-1.5910  
-.9716  
-.4963  
-.0723  
-.4593  
-.6043  
-.9446  
-1.2430  
-1.0290  
-.4730  
-.3409  
-.0323  
-.1187  
-.0738  
-.2387  
-.2988  
-.4359  
-.8222  
-.7225

-.0142  
-.1933  
-.2054  
-.3507  
-.3456  
-.5630  
-.1816  
-.1337  
-.1511  
-.2799  
-.4045

-.0469  
-.1337  
-.1281  
-.2247  
-.3006  
-.2856  
-.3092  
-.3094  
-.3459  
-.3441  
-.4815  
-.4242  
-.4876  
-.3902  
-.3135  
-.3122  
-.2893



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L34)

ARC11-716 1A14 01-712+512N25+AT11 LOWER WING

ALPHA( 1 ) = -7.990 BETA( 2 ) = -3.960

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.637  
.865  
.900  
.903  
.950  
.953  
.965

-.3597

-.2142

-.2093

-.2572

-.0637

-.0747

.0000

-.1355

-.2716

ALPHA( 1 ) = -7.990 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.030  
.040  
.048  
.050  
.060  
.085  
.086  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.563  
.600  
.650  
.700  
.725  
.750  
.760

-.0292

-.0579

.0382

-.1333

-.3893

-.5345

-.3763

-.13260

-1.7400

-1.3550

-.9637

-.4919

-.0513

-.4606

-.6148

-1.0800

-1.2420

-.9096

-.4929

-.3506

-.0510

-.1147

-.0828

-.2714

-.0211

-.2148

-.2259

-.3832

-.3491

-.6390

-.2155

-.1702

-.1698

-.3097

-.4700

-.1760

-.2344

-.3342

-.2666

-.3187

-.3581

-.2880

-.4355

-.3736

-.3270

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(RBIL34)

ARC11-716 1A14 01+712+512N25+AT11 LOWER WING

ALPHA(1) = -7.990 BETA(3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.4427	-.4235		
.808				-.4100			
.834	-.3244						
.859				-.2611	-.3121	-.2930	
.887				-.3037			
.865	-.3256						-.2354
.900	-.3016			-.1560			
.905				-.2194	-.0675		
.950				-.0452		.0000	
.955				-.1335			
.965	-.2501						

ALPHA(1) = -8.000 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0377	-.0364	.0038	-.2154	-.5135	-.6423	-.4748
.020				-1.4020	-1.5650	-1.3072	-.9582
.030				-.4134			
.040				-.0176			
.048				-.4056			
.050	-.0656				-.6747	-1.0900	-1.2220
.060					-.5455		
.085				-.3268			
.086				-.0349			
.094	-.0820				-.3873	-.4553	-1.0920
.100							-.7921
.163				-.0742			
.177				-.2681			
.229	-.0388						
.246				-.1951			
.250							
.274				-.2376			
.362	-.0761				-.2941	-.3659	-.3323
.390							-.6932
.400				-.1925			
.402							
.497	-.1733				-.2521	-.3244	-.4771
.550							
.565					-.3123	-.3390	
.600					-.2969		
.650							-.3390
							-.3287



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TABULATED PRESSURE DATA - 1A14A - VOL. 3

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ARC11-716 1A14 01+T12+S12N23+AT11 LOWER WING

(R81L34)

ALPHA( 1 ) = -8.000 BETA( 4 ) = 4.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.2997				-.3607		
.725				-.3585		-.4348	-.3762
.750			-.3355				
.760				-.5192	-.4282		
.775							
.808			-.4170				
.834	-.3316						
.850				-.3391	-.3128	-.2825	
.857			-.3316				
.865	-.3471						
.900	-.3050		-.2438				-.2480
.905			-.2612	-.0807			
.950				-.1253		.0000	
.953			-.1726				
.955	-.2251						

ALPHA( 1 ) = -8.020 BETA( 5 ) = 8.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.900	-.0682	-.0398	-.0151	-.2665	-.5988	-.7477	-.5930
.920				-1.2450	-1.5240	-1.2340	-.9760
.930			-.3509				
.940		-.0245					
.948			-.3498				
.950	-.1013			-.6229	-1.1070	-1.1790	-.9341
.960				-.5127			
.985			-.2871				
.986		-.0346					
.994	-.1079						
.150				-.3654	-.4274	-.9926	-.8819
.163		-.0732					
.177			-.2569				
.229	-.0668						
.246		-.2028					
.250				-.2912	-.3847	-.3467	-.7568
.274			-.2315				
.362	-.0894						
.390		-.8034					
.400				-.2618	-.3260		-.4295
.402			-.2286				
.497	-.1929						

(RB1L34)

ARCI1-716 1A14 01+T12+S12N25+AT11 LOWER WING

ALFMAO( 1 ) = -0.020 BETAO( 5 ) = 0.130

SECTION 1 LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.550			-.3077	-.3070	-.3382		-.3183
.565							
.600						-.3193	
.650					-.3578		
.700	-.3564			-.3429			
.725							
.750			-.3246	-.4904	-.4280		
.760			-.4076			-.4087	-.3652
.775							
.800							
.834	-.3160						
.850				-.3369	-.3278	-.2784	
.857			-.3312				
.865	-.3213						
.900	-.2901		-.2763	-.2544	-.0991		-.2413
.905							
.953			-.2017	-.1437		.0000	
.955	-.2407						

$$\text{ALPHA}(2) = -4.099 \quad \text{BETA}(1) = -0.939$$

SECTION / UNDER WING DEFENSIVE VARIABLE CF

Y/BW	2.990	.3640	.4273	.5340	.6730	.7650	.0670
X/CW							
.000	.0647	.1135	.3475	.4204	.3517	.2644	.2001
.020				-.4866	-.7944	-.9241	-1.1340
.030			-.1103				
.040		.0931					
.060			-.1741				
.080	-.0306			-.2810	-.4443	-.3719	-.6550
.090			-.1284	-.2278			
.096		.0919					
.094	-.0609						
.150		.0613		-.1331	-.2064	-.2748	-.3159
.163							
.177			-.0971				
.2470							
.246	-.0651			-.0026	-.1993	-.2236	-.2898
.250							
.274			-.0661				
.362	.0400						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L34)

ARC11-716 1A14 01+112+512N25+AT11 LOWER WING

ALPHA( 2 ) = -4.050 BETA( 1 ) = -0.930

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	-0.000	-0.0677	-0.1915	-0.2272
.390				
.400				
.402				
.407				
.497				
.550				
.565				
.600				
.650				
.700				
.725				
.750				
.760				
.775				
.808				
.834				
.850				
.857				
.865				
.900				
.905				
.950				
.955				
.965				

ALPHA( 2 ) = -4.050 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	-0.000	-0.0677	-0.1915	-0.2272
.390				
.400				
.402				
.407				
.497				
.550				
.565				
.600				
.650				
.700				
.725				
.750				
.760				
.775				
.808				
.834				
.850				
.857				
.865				
.900				
.905				
.950				
.955				
.965				

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OF POOR QUALITY

(881134)

ARC11-716 1A14 010712+512N25+AT11 LOWER WING

ALPHA( 2) = -4.050 BETA( 2) = -4.000

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.246	-.1012
.250	-.1323
.274	-.1095
.352	.0161
.390	-.0650
.400	-.1068
.402	-.2121
.432	-.0703
.497	-.2545
.550	-.2084
.565	-.2592
.600	-.1836
.650	-.2586
.700	-.2029
.725	-.3190
.750	-.3137
.760	-.3972
.775	-.3423
.808	-.4034
.834	-.4678
.850	-.3374
.857	-.3275
.865	-.2506
.868	-.4132
.900	-.2207
.902	-.1709
.905	-.0496
.930	-.0900
.933	-.0784
.965	-.1256
.965	-.2512

ALPHA( 2) = -4.050 BETA( 3) = .040

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.246	-.0219
.250	.0407
.274	.2217
.352	.2116
.390	.0770
.400	-.0456
.402	.0016
.432	-.0515
.497	-1.0330
.550	-1.2360
.565	-1.3910
.600	-.2344
.650	.0371
.700	-.2344
.725	-.3500
.750	-.5895
.760	-.6926
.775	-.7599
.808	-.3074
.834	-.2016
.850	.0462
.857	-.0007
.865	-.0007





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R51L34)

ARC11-716 1A14 01+112+512+25+AT11 LOWER WING

ALPHA (2) = -4.050 BETA (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .5750 .7000 .8070

X/CW

.150						
.163	.0147					
.177						
.229	-.0017					
.246						
.250						
.274						
.368	-.0071					
.390						
.409						
.432						
.497	-.0067					
.550						
.565						
.600						
.650						
.700	-.1642					
.725						
.750						
.760						
.775						
.808						
.834	-.3976					
.850						
.857						
.865	-.3133					
.900	-.2849					
.905						
.950						
.955						
.965	-.2098					

ALPHA (2) = -4.050 BETA (4) = 4.070

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6750 .7000 .8070

X/CW

.900						
.920	-.2623					
.930						
.940						
.948						
.950						

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(881L34)

ARC11-716 1A14 01-112-512M3-AT11 LOWER WING

ALPHA (2) = -4.000 BETA (4) = 4.070

SECTION (1) LOWER WING DEFENDENT VARIABLE CP

W/O .8900 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.080						
.085						
.090						
.094						
.100						
.105						
.110						
.115						
.120						
.125						
.130						
.135						
.140						
.145						
.150						
.155						
.160						
.165						
.170						
.175						
.180						
.185						
.190						
.195						
.200						
.205						
.210						
.215						
.220						
.225						
.230						
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.245						
.250						
.255						
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.265						
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.375						
.380						
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.390						
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.400						
.405						
.410						
.415						
.420						
.425						
.430						
.435						
.440						
.445						
.450						
.455						
.460						
.465						
.470						
.475						
.480						
.485						
.490						
.495						
.500						
.505						
.510						
.515						
.520						
.525						
.530						
.535						
.540						
.545						
.550						
.555						
.560						
.565						
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.575						
.580						
.585						
.590						
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.605						
.610						
.615						
.620						
.625						
.630						
.635						
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.645						
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.655						
.660						
.665						
.670						
.675						
.680						
.685						
.690						
.695						
.700						
.705						
.710						
.715						
.720						
.725						
.730						
.735						
.740						
.745						
.750						
.755						
.760						
.765						
.770						
.775						
.780						
.785						
.790						
.795						
.800						
.805						
.810						
.815						
.820						
.825						
.830						
.835						
.840						
.845						
.850						
.855						
.860						
.865						
.870						
.875						
.880						
.885						
.890						
.895						
.900						
.905						
.910						
.915						
.920						
.925						
.930						
.935						
.940						
.945						
.950						
.955						
.960						
.965						
.970						
.975						
.980						
.985						
.990						
.995						
1.000						



(RBL36)

ARC11-716 1A14 OR-112+512N25+AT11 LOWER WING

ALPHA=0.215 -4.060 BETA=0.515 8.090

SECTION 1 (1) LOWER WING

DEPENDENT VARIABLE CP

V/BW .2000 .3640 .4270 .5340 .6750 .7000 .8070

1/CM

.000	-.1115	-.0124	.0548	.0982	-.1059	-.2440	-.2046
.020				-.6230	-.9918	-1.2810	-1.4090
.030			-.1136				
.040		.0295					
.060			-.1538				
.080	-.1136			-.3724	-.5790	-.6990	-.7702
.100				-.3279			
.120			-.1356				
.140		.0299					
.160	-.1103				-.2465	-.3799	-.4067
.180		-.0212					
.200			-.1657				
.220	-.0335						
.240		-.1272			-.2137	-.2939	-.3431
.260			-.1618				
.280	-.0451						
.300		-.1475					
.320				-.2068	-.2607		-.2557
.340			-.1747				
.360				-.2665	-.2861		
.380							-.2592
.400						-.2918	
.420				-.3196			
.440	-.3196					-.3981	-.3330
.460							
.480				-.3078			
.500				-.4299	-.3969		
.520							
.540				-.3784			
.560							
.580	-.2841				-.3078	-.3091	-.2661
.600					-.3057		
.620							
.640	-.2861						-.1621
.660	-.2487			-.2310			
.680				-.2496		-.0934	
.700					-.1314		.0000
.720					-.1752		
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							

(RB1L34)

AEC11-716 1A14 01+112+512N25+AT11 LOWER WING

ALPHA(1 3) = -.319 BETA(1 1) = -.039

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2999	.3640	.4279	.4940	.5630	.6300	.7000	.8070
X/CW								
.000	.0517	.1177	.3050	.5446	.5264	.4912	.5144	
.020				-.1249	-.1050	-.2509	-.3345	
.030		.1266						
.040		.1767						
.048			.0160					
.050	.0055			-.0936	-.1579	-.2002	-.2649	
.080				-.0891				
.085			.0141					
.086		.1753						
.094	-.0204							
.150				-.0425	-.0547	-.1093	-.1452	
.163		.1920						
.177			-.0043					
.229	.0042							
.246		.0183						
.250				-.0303	-.0997	-.1155	-.1063	
.274			.0582					
.362	.1045	.0200		-.0420	-.1295		-.1581	
.393								
.420			.0103					
.452				-.1734	-.2130			
.497	.0360			-.1465				
.553								
.565								
.600								
.650								
.700	-.0130							
.725				-.3174	-.3062			
.750								
.760								
.775								
.800								
.834	-.4014							
.850								
.857								
.865	-.4653							
.900	-.3724							
.925								
.950								
.955								
.965	-.8404							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+T12+S12N25+AT11 LOWER WING (R81L34)

ALPHA( 3 ) = -.320 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0013	.0772	.3352	.4801	.4499	.4071	.4317
.020				-.2290	-.2951	-.3712	-.4640
.030			.0681				
.040		.1202					
.048			-.0428				
.050	-.0350			-.1675	-.2256	-.2758	-.3377
.060				-.1465			
.085			-.0411				
.086		.1318					
.094	-.0586						
.150		.1122		-.0976	-.1019	-.1531	-.1836
.163							
.177			-.0464				
.229	.0479						
.246		-.0263					
.274			-.0300		-.0705	-.1328	-.1496
.362	.0698						
.390		-.0093			-.0750	-.1568	-.1801
.400			-.0252				
.497	.0002			-.1906	-.2280		
.550			-.1584				
.565						-.2654	-.2414
.600				-.3069			
.650				-.3208			
.700	-.0495						
.725							
.750							
.760			-.3136				
.775				-.5065	-.4007		
.808			-.4682				
.834	-.3322						
.850				-.3509	-.3057	-.2788	
.857			-.3367				
.865	-.4098						
.900	-.3403			-.2448			-.1919
.925			-.2550		-.0551		
.950				-.0946			
.953			-.1288				
.955	-.2486						

(RBIL34)

ARC11-716 1A14 01+712+312125+AT11 LOWER WING

ALPHA( 3) = -.320 BETA( 3) = .030

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.5340 .6750 .7890 .8870
.000	-.0499	.0406	.2814 .4017 .3552 .3088 .3423
.020			-.2733 -.3940 -.4725 -.5516
.030		.0405	
.040		.0993	
.048		-.0689	
.050	-.0624		-.1884 -.2840 -.3394 -.4023
.060			-.1708
.065		-.0733	
.066		.1017	
.094	-.0730		
.150		.0851	-.1159 -.1374 -.1923 -.2258
.163			
.177		-.0814	
.229	.0220		
.246		-.0487	
.250			-.0907 -.1710 -.1766 -.2471
.274		-.0644	
.362	.0439		
.390		-.0481	
.400			-.0892 -.1793 -.2007
.402		-.0620	
.497	-.0354		
.550		-.1940 -.2388	
.565		-.1829	
.600			-.2462
.650			-.2780
.700	-.1237		
.725		-.2945	-.3181
.750			-.4025 -.3408
.760		-.2872	
.775		-.4580 -.4033	
.808		-.4034	
.834	-.2890		
.850		-.3094 -.3074 -.2736	
.857		-.2964	
.865	-.3101		
.900	-.2738	-.2072	-.1856
.905		-.2122	-.0341
.950		-.0736	.0000
.953		-.1028	
.965	-.2041		



(R81L34)

ARC11-716 IA14 01+712+512+25+AT11 LOWER WING

ALPHA(3) = -.320 BETAD (4) = 4.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B4	.2993	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1203	-.0209	.2153	.3223	.2689	.2276	.2618
.020				-.2952	-.4356	-.5016	-.5857
.030			.0283				
.040		.0386					
.048			-.0586				
.059	-.0928			-.2069	-.3038	-.3786	-.4221
.080				-.1973			
.085			-.0717				
.086		.0516					
.094	-.0905						
.150				-.1582	-.1665	-.2195	-.2502
.163		.0499					
.177			-.0937				
.229	-.0390						
.246		-.0366					
.250				-.1324	-.1968	-.2017	-.2629
.274			-.0977				
.362	.0107						
.390		-.0816					
.400				-.1381	-.1983		-.2163
.402			-.1109				
.497	-.0628			-.2247	-.2559		
.550			-.2191				
.565						-.2839	-.2538
.600				-.3201			
.650	-.2211			-.3059			
.700					-.3997	-.3400	
.725			-.2870				
.750				-.4448	-.3986		
.775			-.3632				
.808				-.3026	-.3053	-.2767	
.834	-.2904						
.850			-.2870				
.857							-.1799
.865	-.2961			-.2203			
.900	-.2657		-.2231	-.0642			
.925				-.1030		.0000	
.930			-.1414				
.953							
.965	-.1949						

(R81L34)

ARC11-716 1A14 01+T12+S12H23+AT11 LOWER WING

ALPHA( 3 ) = -.325 BETA( 5 ) = 0.110

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CF			
Y/BW		.4270	.5340	.6730	.7800
X/CU					
.000	-.1834	-.0558	.0865	.2395	.1864
.020				-.2755	-.4517
.030			.0057		-.5398
.040		-.0154			
.048		-.0468			
.050	-.1612		-.1908	-.3249	-.3826
.080			-.1771		-.4519
.085		-.0642			
.095		.0093			
.094	-.1367				
.150			-.1481	-.1850	-.2367
.163		.0143			-.2635
.177		-.0921			
.229	-.0511				
.246		-.0671			
.250			-.1425	-.2110	-.2169
.274		-.1088			-.2722
.352	-.0130				
.390		-.0923		-.1608	-.2095
.400					-.2182
.402		-.1348			
.497	-.0870			-.2353	-.2535
.550			-.2383		
.565					-.2505
.600				-.2783	
.650			-.3083		
.700	-.2856		-.2941		
.725				-.3876	-.3344
.750					
.760		-.2908			
.775			-.4016	-.3665	
.808		-.3597			
.834	-.2859			-.2852	-.2895
.850		-.2890			-.2644
.857					
.865	-.2892				
.900	-.2470		-.2211		-.1716
.905		-.2398		-.0898	
.950			-.1218		.0000
.955		-.1628			
.965	-.1804				





TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L34)

ARC11-716 1A14 01-12-512H25+AT11 LOWER WING

DATE 11 JAN 75

ALPHAO (4) = 4.000 BETA0 (1) = -0.050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5360	.6730	.7800	.8870
X/Cu							
.000	.0039	.0255	.3230	.5278	.4849	.4116	.3769
.020				.2155	.2329	.2590	.2573
.030			.3115				
.040		.2110					
.048			.1923				
.050	.0399			.1340	.1429	.1344	.1051
.060				.0927			
.085			.1494				
.086		.2302					
.094	.0190			.0800	.1014	.0638	.0331
.150		.2302					
.163			.1003				
.177							
.229	.1304						
.246		.1105		.0599	.0115	.0100	-.0743
.250			.0863				
.274							
.352	.1688						
.390		.0965		.0139	-.0534		-.0805
.400			.0636				
.402							
.497	.1024			-.1369	-.1567		
.550			-.1138				
.600							
.650							
.700	.0238			-.3062	-.2894		
.725							
.750							
.760			-.3233				
.775				-.5148	-.3965		
.809			-.5060				
.834	-.3878						
.850							
.857			-.3678				
.865				-.3709	-.3266	-.2890	
.900	-.4618						
.925	-.5574			-.2729			-.2240
.950			-.2741		-.0798		
.953				-.1219		.0000	
.965	-.2141		-.1275				

(R81L34)

ARC11-716 1A14 01+T12+512N25+AT11 LOWER WING

ALPHA( 4) = 4.000 BETA( 2) = -3.980

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP		
Y/BW			
X/CW			
.000	-.0508	.2927	.4951 .4539 .3627 .3490
.020		.2556	.1099 .1356 .1741 .1699
.030		.1648	
.040			
.048		.1394	
.050	-.0116		.0509 .0754 .0693 .0409
.080		.1011	.0218
.085			
.086		.1962	
.094	-.0196		.0181 .0574 .0229 -.0170
.150		.1976	
.163			
.177		.0577	
.229	.0895		
.246		.0694	
.250			.0038 -.0219 -.0253 -.1019
.274		.0488	
.362	.1348		
.390		.0608	
.400			-.0318 -.0760 -.1105
.402		.0363	
.497	.0658		-.1692 -.1732
.550			
.565		-.1243	
.600			-.2129
.650			-.2370
.700	-.0247		-.2927
.725			-.3262
.750			
.760		-.3068	-.3635 -.3167
.775			-.5227 -.3884
.808		-.4666	
.834	-.3441		
.850			-.3069 -.3176 -.2945
.857		-.3397	
.865	-.4032		
.900	-.3325		-.2839 -.2226
.905			-.2635 -.0741
.950			-.1262 .0000
.955		-.1219	
.965	-.2267		



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L34)

ARC11-716 1A14 01+112+512N23+AT11 LOWER WING

DATE 11 JAN 73

ALPHA( 4 ) = 4.000 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1129	-.0497	.2501	.4476	.4123	.3410	.3146
.020				.0468	.0585	.0974	.0865
.030			.2088				
.040		.1131					
.048			.0353				
.050	-.0306		.0031	.0154	.0099	-.0217	
.080				-.0091			
.085			.0369				
.08		.1541					
.094	-.0500			-.0079	.0236	-.0163	-.0623
.150							
.163		.1621					
.177			.0178				
.229	.0604						
.246		.0332					
.250				-.0185	-.0386	-.0516	-.1070
.274			.0103				
.362	.0975						
.390		.0201		-.0450	-.1040		-.1295
.400			-.0038				
.402				-.1735	-.1916		
.497	.0296						
.550			-.1495				
.565							
.600							
.650							
.700	-.0983						
.725				-.3102			
.750							
.760			-.2904				
.775				-.4984	-.3980		
.808			-.4340				
.834							
.850				-.3599	-.3235	-.2938	
.857			-.3261				
.865							
.900	-.3483						
.900	-.3020			-.2598			-.2172
.905			-.2475	-.0722			
.950				-.1123			.0000
.955			-.1219				
.965	-.2193						

(881L34)

ARC11-716 IA14 01-712-312N25-AT11 LOWER WING

ALPHA(4) = 3.990 BETA(4) = 4.080

SECTION (1) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.2014	-.1347	.1606	.3792	.3542	.2922	.2791
.020				.0435	-.0145	.0170	.0124
.030			.1590				
.040		-.0005					
.048			.0778				
.050	-.1023			.0262	-.0413	-.0480	-.0753
.080				.0031			
.085			.0310				
.086		.0797					
.094	-.0764						
.150				.0020	-.0220	-.0608	-.0972
.163		.1084					
.177		-.0104					
.229	.0170						
.248		.0129					
.250				-.0059	-.1006	-.0859	-.1361
.274		-.0269					
.362	.0612						
.390		-.0223		-.0355	-.1356		-.1518
.400							
.402		-.0557					
.497	-.0116			-.1331	-.2061		
.550							
.565		-.1808					
.600						-.2315	
.630					-.2570		
.700	-.1908			-.3011			
.725				-.2336			
.750						-.1994	-.3381
.760		-.2722					
.775				-.3758	-.3896		
.775		-.3592					
.808							
.814	-.2648			-.2460	-.3151	-.2934	
.850			-.2782				
.857							
.865	-.3048						-.2137
.900	-.2610			-.1690			
.905		-.2197		-.0699			
.950				-.0541		.0000	
.955		-.1277					
.965	-.1735						



(R01L34)

ARC11-716 1A14 01+112+512+25+AT11 LOWER WING

ALPHA(4) = 3.980 BETAD(5) = 0.140

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7900	.8870
Z/CW							
.000	-.2971	-.1617	-.0012	.2711	.3085	.2435	.2451
.020				.0079	-.0079	-.0735	-.0613
.040		-.0596					
.060			.0323				
.080	-.1869			-.0091	-.0959	-.1039	-.1297
.100			.0145	-.0236			
.120		.0073					
.140	-.1414						
.160		.0483		-.0285	-.0607	-.0979	-.1300
.180			-.0196				
.200	-.0385						
.220		-.0178		-.0420	-.1211	-.1098	-.1546
.240			-.0436				
.260	.0145						
.280		-.0479		-.0780	-.1498		-.1640
.300				-.0822			
.320	-.0457			-.1539	-.2123		
.340			-.1961				
.360						-.2496	-.2354
.380				-.2292	-.2849		
.400	-.2470					-.3722	-.3314
.420			-.2676				
.440			-.3373	-.3257	-.3442		
.460							
.480		-.2702		-.2304	-.2843	-.2790	
.500			-.2691				
.520		-.2658					
.540	-.2237			-.1674	-.0823		-.1991
.560			-.2186				
.580			-.0866			.0000	
.600			-.1391				
.620	-.1647						

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L34)

ARC11-716 1A14 OL+T12+S12N25+AT11 LOWER WING

ALPHA( 5 ) = 7.890 BETA( 1 ) = -0.010

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP				
V/84	.2890	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.000	-.0642	-.1033	.2206	.4143	.2437 .0422 -.0816
.020				.4103	.4768 .5208 .4907
.030			.4178		
.040		.2174			
.048		.3005			
.050	.0374		.2766	.3514	.3608 .3350
.060			.2068		
.085		.2414			
.086		.2073			
.094	.0465				
.150		.2932		.1506	.2332 .2136 .1705
.163			.1693		
.177					
.229	.1556				
.246		.1659		.1013	.1181 .1206 .0627
.250			.1399		
.274					
.362	.2070				
.390		.1383		.0313	.0138 -.0148
.400			.1036		
.402					
.497	.1411			-.1439	-.1024
.550			-.0825		-.1855
.565					-.1866
.600				-.2546	
.650	.0465			-.3393	-.3419 -.2721
.700					
.725			-.3155		
.750				-.5406	-.3614
.760					
.775			-.3048		
.808					
.834	-.3790			-.4141	-.3076 -.2916
.850					
.857			-.3454		
.865					
.900	-.3442			-.3124	-.0854
.905			-.2806		-.0054
.950				-.1586	.0000
.993			-.1253		
.965	-.1838				



ARC11-716 1A16 31+Y12+S12H25+AT11 LOWER WING

ALFMA( 3) = 7.923 BEYAD ( 2) = -4.510

GNIN 33007 (1) ; NC11235

DEPENDENT VARIABLE CP

[illegible]

(R01L34)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A14 01+712+512H25+AT11 LOWER WING

ALPHA(D) = 7.810 BETA(D) = .049

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7000	.8070
X/CW							
.000	-.2010	-.1805	.1572	.3840	.2621	.0720	-.0736
.020				.2505	.3159	.3731	.3575
.040		.0940					
.060			.1910				
.080	-.0447		.1620	.2115	.2393	.2161	
.100			.1159				
.120			.1306				
.140		.1077					
.160	-.0353			.0045	.1310	.1207	.0034
.180		.2146					
.200			.0834				
.220	.0029						
.240		.0640		.0500	.0350	.0455	-.0142
.260			.0676				
.280	.1304						
.300		.0691		.0540	-.0303		-.0600
.320			.0364				
.340				-.1293	-.1443		
.360	.0651		-.1112				-.1973
.380					-.2057		
.400				-.2691		-.3531	-.3070
.420	-.0596						
.440			-.2635				
.460				-.4496	-.3655		
.480			-.3935				
.500	-.0940			-.3152	-.3104	-.2929	
.520			-.2070				
.540		-.2064					-.2300
.560	-.2967			-.2361			
.580			-.2296		-.0031		.0000
.600				-.0940			
.620			-.0950				
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							





(881154)

TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01-112-512N25-AT11 LOWER WING

DATE 11 JAN 75

ALPHA: 91° 7.000 BETAD (4) 4.100

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

7/8W .8000 .3640 .4270 .5340 .6750 .7800 .8970

X/CW

.000	-.3232	-.3187	.0511	.3384	.2537	.0842	.0518
.020				.1936	.2277	.3038	.2850
.030			.2321				
.040		-.0371					
.048			.1574				
.050	-.1126			.132	.1443	.1679	.1604
.060				.0664			
.085			.0979				
.086		.0931					
.094	-.0794			.0359	.0770	.0774	.0427
.150		.1906					
.163			.0423				
.177							
.229	.0392						
.246		.0599		.0122	-.0136	.0142	-.0419
.250			.0194				
.274							
.362	.0929	.0197					
.390				-.0323	-.0759		-.0927
.400			-.0212				
.402							
.407	.0286						
.550				-.1503	-.1627		
.565			-.1496				
.600							-.2039
.650					-.2225		
.700	-.1480			-.2737	-.2824		
.725							
.750							
.760			-.2540				
.775				-.4299	-.3699		
.808			-.3418				
.834	-.2889						
.890				-.3074	-.3063	-.2898	
.897			-.2684				
.965	-.2907						
.970	-.2901			-.2209	-.0802		-.2354
.975			-.2112				
.980				-.0911		.0000	
.983			-.1538				
.985	-.1704						

(R81134)

ARC11-716 IAI14 01+112+512423+AT11 LOWER WING

ALPHA(1) = 7.803 BETAD (1) = 0.170

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW .2900 .3600 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.0262	-.2711	-.1771	.1749	.2560	.1136	-.0019
.020				.1311	.1367	.2199	.2242
.030		-.1271	.0770				
.040							
.050	-.2162		.0817	.0759	.0750	.1026	.0997
.060				.0442			
.080			.0707				
.086		-.0109					
.094	-.1429			.0079	.0416	.0314	.0027
.100		.0700					
.163			.0411				
.177	-.0219						
.229		.0299		-.0161	-.0517	-.0141	-.0723
.246			.0077				
.250							
.274							
.362	.0325	-.0034		-.0615	-.0970		-.1106
.390			-.0422				
.400							
.402				-.1645	-.1723		
.407	.0007						
.500							
.565							
.600							
.650							
.700	-.2155			-.2349	-.2759	-.2307	-.2090
.725							
.750							
.760		-.2635					
.775			-.3414				
.800		-.3101					
.834	-.2743			-.2632	-.2700	-.2793	
.850							
.857		-.2635					
.865	-.2709						
.900	-.2310			-.1965	-.0000		-.2237
.904		-.2132					
.950			-.1024				.0000
.955							
.965	-.1581						



(RB1L35) ( 15 FEB 74 )

ARC11-716 1A14 01\*112\*512N25\*AT11 LOWER WING

PARAMETRIC DATA

MACH = .750 ELEVON = .000  
RUDDER = .000 SFD8RK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHAD( 1 ) = -0.050 BETAD ( 1 ) = -0.000

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW

.000	.0390	.0430	.2463	.2527	.1107	-.0013	.0585
.020				-1.2490	-1.3000	-1.0780	-.8964
.030			-.3589				
.040		-.0011					
.048			-.3407				
.050	-.0709			-.5780	-1.1000	-1.0330	-.8798
.080				-.4842			
.085			-.2505				
.086		.0215					
.094	-.0921			-.3020	-.3107	-.8330	-.8572
.150		.0049					
.163			-.1686				
.177							
.229	.0317						
.246		-.1229		-.1968	-.2616	-.3990	-.7511
.250			-.1062				
.274							
.362	.0228		-.0631				
.390				-.1265	-.2185		-.5020
.400							
.402			-.0314				
.497	-.0306			-.2745	-.3189		
.550			-.1456				
.565							
.600							
.650						-.3372	
.700	.0417			-.3966		-.3304	
.725				-.4523			
.750						-.5121	-.3835
.760							
.775			-.4025	-.7323	-.5236		
.808			-.6515				
.834	-.5001			-.4462	-.3509	-.3315	
.850							
.857			-.4168				
.865	-.6204						
.900	-.4610			-.2866			-.8350
.905			-.2883	-.0579			



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+T12+S12N25+AT11 LOWER WING (881L35)

ALPHA( 1 ) = -0.040 BETA( 2 ) = -3.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA( 1 ) = -0.040 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.352							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(H01L33)

ARC11-718 1A14 01-712-312N25-AT11 LOWER WING

ALPHA( 1 ) = -0.040 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/RW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .775  
 .008  
 .034  
 .034  
 .050  
 .057  
 .057  
 .065  
 .070  
 .075  
 .080  
 .085  
 .090  
 .095  
 .100  
 .105  
 .110  
 .115  
 .120  
 .125  
 .130  
 .135  
 .140  
 .145  
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 .155  
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 .700  
 .705  
 .710  
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 .725  
 .730  
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 .740  
 .745  
 .750  
 .755  
 .760  
 .765  
 .770  
 .775  
 .780  
 .785  
 .790  
 .795  
 .800  
 .805  
 .810  
 .815  
 .820  
 .825  
 .830  
 .835  
 .840  
 .845  
 .850  
 .855  
 .860  
 .865  
 .870  
 .875  
 .880  
 .885  
 .890  
 .895  
 .900  
 .905  
 .910  
 .915  
 .920  
 .925  
 .930  
 .935  
 .940  
 .945  
 .950  
 .955  
 .960  
 .965  
 .970  
 .975  
 .980  
 .985  
 .990  
 .995  
 1.000

ALPHA( 1 ) = -0.050 BETA( 4 ) = 4.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/RW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .000  
 .020  
 .040  
 .060  
 .080  
 .100  
 .120  
 .140  
 .160  
 .180  
 .200  
 .220  
 .240  
 .260  
 .280  
 .300  
 .320  
 .340  
 .360  
 .380  
 .400  
 .420  
 .440  
 .460  
 .480  
 .500  
 .520  
 .540  
 .560  
 .580  
 .600  
 .620  
 .640  
 .660  
 .680  
 .700  
 .720  
 .740  
 .760  
 .780  
 .800  
 .820  
 .840  
 .860  
 .880  
 .900  
 .920  
 .940  
 .960  
 .980  
 1.000



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 OL+T12+S12N25+T11 LOWER WING (881L35)

ALPHA( 1 ) = -0.050 BETA( 4 ) = 4.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.700	-.2782				-.3371		-.5021	-.3771
.725								
.750					-.3526			
.760								
.775					-.5319		-.4826	
.800					-.4469			
.834	-.3752							
.850					-.3362		-.3210	-.3250
.857					-.3417			
.865	-.3686							
.900	-.3152				-.2214		-.0794	-.2735
.905					-.2638			
.950					-.1202			.0000
.953					-.1867			
.965	-.2204							

ALPHA( 1 ) = -0.060 BETA( 5 ) = 0.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.0684	-.0207	.0307	-.1316	-.3775	-.5135	-.4313	
.020				-.11490	-1.2020	-1.0070	-.6820	
.030					-.2909			
.040			.0201					
.048					-.2869			
.050	-.0895				-.5602	-1.1970	-1.0070	-.8647
.080					-.4410			
.085					-.2472			
.086			-.0102					
.094	-.0959							
.150					-.3070	-.3053	-1.1360	-.8924
.163					-.0399			
.177					-.2302			
.229	-.0491							
.246			-.1710					
.250					-.2401	-.3528	-.6141	-.9282
.274					-.2095			
.362	-.0533							
.390					-.1821			
.400								
.402					-.2169	-.3208		-.6698
.497	-.1630				-.2140			

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R81L35)

ARC11-716 IA14 01+T12+S12+25+AT11 LOWER WING

ALPHAO ( 1 ) = -0.060 BETAO ( 5 ) = 0.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.350				-.2739	-.3536		
.365				-.3063			
.600						-.2706	
.650						-.3205	
.700	-.3370				-.3725		
.725					-.3267		
.750						-.4785	-.3465
.760							
.775							
.809							
.834	-.3386						
.850							
.857							
.865	-.3270						
.900	-.2892						
.905							
.950							
.953							
.965	-.2286						

ALPHAO ( 2 ) = -4.070 BETAO ( 1 ) = -8.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0613	.1302	.3817	.4695	.4069	.3335	.3530
.020							
.030							
.040							
.048							
.050	-.0276						
.060							
.085							
.086							
.094	-.0541						
.150							
.163							
.177							
.229	.0645						
.246							
.250							
.274							
.362	.0665						





DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R81135)

ARC11-716 IA14 01+T12+S12N23+AT11 LOWER WING

ALPHA( 2 ) = -4.070 BETA( 1 ) = -8.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.0136	.0316	.0500	.0689	.1484	.2366
.390						
.400						
.402		.0316				
.437	.0347					
.550						
.565						
.600						
.650						
.700	.0789					
.725						
.750						
.760						
.775						
.809						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.953						
.965						

ALPHA( 2 ) = -4.080 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.0136	.0316	.0500	.0689	.1484	.2366
.390						
.400						
.402		.0316				
.437	.0347					
.550						
.565						
.600						
.650						
.700	.0789					
.725						
.750						
.760						
.775						
.809						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.953						
.965						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(5811.35)

ARC11-716 1A14 01+T12+S12N25+AT11 LOWER WING

ALPHA-DI (2) = -4.000 BETA-D (2) = -4.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CM

.246 -.0693  
 .250 -.1307 -.1942 -.2332 -.3128  
 .274 -.0698  
 .362 .0508  
 .390 -.0312  
 .400  
 .402 -.0198  
 .497 -.0203  
 .550 -.2511 -.2951  
 .565 -.1462  
 .600  
 .650 -.3352  
 .700 -.3799  
 .725 -.4140  
 .750  
 .763 -.3651  
 .775 -.6611 -.5124  
 .808 -.5695  
 .834 -.4151 -.3267 -.2779  
 .850  
 .897 -.3818  
 .865 -.5088  
 .900 -.3914  
 .925 -.2622 -.0433  
 .950 -.1100 .0000  
 .953 -.1320  
 .965 -.2836

ALPHA-DI (2) = -4.000 BETA-D (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CM

.000 -.0136 .0578 .2558 .2776 .1463 .0423 .0920  
 .020  
 .030 -.7243 -1.0700 -1.1010 -1.1090  
 .040 -.1098  
 .048 .0794  
 .068 -.1792  
 .050 -.4339 -.5453 -.7332 -.8772  
 .080 -.3941  
 .085  
 .086 -.1590  
 .094 .0753  
 .0006



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R81L35)

ARC11-716 1A14 01+112+312+25+AT11 LOWER WING

ALPHA( 2 ) = -4.080 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.150  
.163  
.177  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.565  
.600  
.650  
.700  
.725  
.750  
.760  
.775  
.806  
.834  
.850  
.857  
.865  
.900  
.905  
.930  
.933  
.955  
-0.0477  
-0.1424  
-0.0969  
-0.1148  
-0.0750  
-0.0757  
-0.1911  
-0.3745  
-0.4219  
-0.3213  
-0.4548  
-0.3181  
-0.3212  
-0.2871  
-0.2275  
-0.1303  
-0.1367  
-0.2325  
-0.2717  
-0.2609  
-0.3450  
-0.4059  
-0.2030  
-0.2334  
-0.2690  
-0.3446  
-0.1384  
-0.2184  
-0.2948  
-0.3103  
-0.3425  
-0.4951  
-0.4023  
-0.4970  
-0.3258  
-0.2817  
-0.2681  
-0.0513  
-0.0000

ALPHA( 2 ) = -4.080 BETA( 4 ) = 4.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.020  
.040  
.048  
-0.0388  
-0.2062  
-0.6151  
-0.0930  
-0.1550  
-0.1981  
-0.0775  
-0.0486  
-0.1461  
-0.3596  
-0.5567  
-0.7106  
-0.9017

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01-112-512N25-AT11 LOWER WING (R31L33)

ALPHA (2) = -4.000 BETA (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.080				-.3151			
.085			-.1453				
.086		.0403					
.094	-.0741						
.150			-.2285	-.2802	-.3659	-.4119	
.163		.0247					
.177			-.1402				
.229	-.0065						
.246		-.0827					
.250			-.1792	-.2575	-.2954	-.3559	
.274			-.1264				
.362	.0008						
.390		-.1075		-.1556	-.2355	-.2906	
.400			-.1304				
.402							
.497	-.0866			-.2529	-.3239		
.550			-.2390				
.565							
.600						-.2972	
.650				-.3341			
.700	-.2286		-.3316	-.3622			
.725							
.750							
.760			-.3801				
.775			-.5007	-.4734			
.808			-.4090				
.834	-.3412						
.850				-.3224	-.3143	-.2841	
.857			-.3174				
.865	-.3385						
.900	-.2833		-.2199				-.1690
.905			-.2445	-.0541			
.950				-.1092			.0000
.955			-.1615				
.965	-.2002						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - V0 - 5

ARC11-716 1A14 01+712+512+25+AT11 LOWER WING (R01L35)

ALPHA(2) = -4.090 BETA(5) = 0.150

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/OW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/OW							
.000	-.1078	-.0070	.0747	.1324	-.0356	-.1507	-.1151
.020				-.4531	-1.0300	-1.1290	-1.1530
.030					-.0610		
.040			.0216				
.048				-.1016			
.050	-.1225			-.2587	-.5222	-.7017	-.9311
.080				-.2172			
.085					-.1093		
.086			.0179				
.094	-.1248			-.1575	-.2720	-.3641	-.4114
.150			.0074				
.163							
.177				-.1298			
.229	-.0420						
.246		-.0805		-.1305	-.2649	-.2986	-.3514
.250							
.274			-.1359				
.362	-.0201						
.390		-.1170		-.1394	-.2523		-.2808
.400							
.402			-.1494				
.497	-.1007			-.2110	-.3044		
.550							
.600			-.2567				
.650					-.3206		-.2839
.700	-.2797			-.3541			
.725				-.2771		-.4521	-.3719
.750							
.760			-.3194				
.775				-.3935	-.4207		
.808			-.4074				
.834	-.3109						
.850				-.2702	-.3202	-.2902	
.857			-.3213				
.865	-.3178						
.900	-.2631			-.1912	-.1005		-.1591
.905			-.2726				
.950				-.0976		.0000	
.955			-.1940				
.965	-.2019						

(081135)

ARC11-716 1A14 01-712-512N25-AT11 LOWER WING

ALPHA(3) = -.310 BETA(1) = -0.000

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
V/W	.2995	.3660	.4270	.5340 .6750 .7800 .8870
X/CW				
.000	.0479	.1251	.4091	.5778 .5557 .5137 .5223
.025			.1040	-.1028 -.1012 -.1630 -.2462
.050		.2017		
.075			.0799	
.100	.0139		-.0826	-.0901 -.1429 -.2370
.125			.0641	-.0748
.150		.2011		
.175	-.0159			-.0391 -.0505 -.0728 -.1375
.200		.1998	.0427	
.225	.1056			
.250		.0653		-.0599 -.0492 -.0823 -.1859
.275			.0564	
.300	.1473	.0795		
.325			.0752	-.0172 -.0980 -.1737
.350	.0883			
.375			-.0807	-.2059 -.2319
.400				-.3002
.425				-.3498
.450	.0934			-.4228
.475				
.500			-.3551	-.7085 -.5135
.525			-.6001	
.550				
.575			-.3895	-.4531 -.3440 -.3168
.600	-.4410			
.625				
.650				
.675	-.5458			-.2940
.700	-.4134			-.2731
.725				-.0315
.750				-.1229
.775				-.1250
.800				
.825				
.850				
.875				
.900				
.925				
.950				
.975				
.995				
.995				



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TABULATED PRESSURE DATA - 1A14A - VOL. 3

PAGE 1997

(RB1L35)

ARC11-716 1A14 01+712+512+25+AT11 LOWER WING

ALPHA(3) = -.320 BETAS (2) = -4.010

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CF

Y/CW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0030	.0075	.3612	.3109	.4798	.4281	.4416
.020				-.1163	-.2244	-.2934	-.3717
.030			.1199				
.040		.1534					
.048			.0193				
.050	-.0284			-.1161	-.1747	-.2309	-.3047
.060				-.1435			
.085			.0056				
.086		.1605					
.094	-.0529						
.150		.1581		-.0842	-.0621	-.1195	-.1878
.163			-.0090				
.177							
.229	.0703						
.246		.0159					
.250				-.0591	-.0920	-.1280	-.2245
.274		.0114					
.362	.1037						
.390		.0327					
.400			.0332		-.0591	-.1264	-.2046
.402							
.497	.0380			-.2283	-.2564		
.530			-.1150				
.565							
.600							-.2800
.630				-.3143			
.700	.0347			-.3589			
.725			-.4140				
.750					-.5060	-.4175	
.760			-.3520				
.775				-.6845	-.5093		
.808			-.5699				
.834	-.4831						
.850			-.3818		-.4436	-.3583	-.3094
.857							
.865	-.4989						
.900	-.3820			-.880			-.2033
.905			-.2652		-.0339		
.950			-.1194				
.953				-.1302			
.961	-.2809						

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1414A - VOL. 3

PAGE 1998

(RB1L35)

ARC11-716 1A14 01+112+312N25+AT11 LOWER WING

ALPHA( 3 ) = -.330 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2000	.3640	.4270	.5340	.6730	.7000	.8870
Z/CW							
.000	-.0517	.0445	.3070	.4308	.3868	.3337	.3527
.020				-.3031	-.3341	-.4039	-.4029
.030			.0867				
.040		.1188					
.048			-.0177				
.050	-.0588			-.2255	-.2485	-.3009	-.3806
.060				-.2146			
.085			-.0330				
.086		.1280					
.094	-.0643						
.150		.1243		-.1563	-.1107	-.1722	-.2221
.163							
.177		-.0486					
.228	.0414						
.246		-.0236					
.250				-.1278	-.1371	-.1670	-.2592
.274		-.0364					
.352	.0751						
.390		-.0225					
.400				-.1182	-.1637		-.2305
.402		-.0212					
.487	-.0052			-.2740	-.2756		
.510			-.1392				
.565							
.600					-.3662		-.2948
.650						-.3323	
.700	-.0774			-.4365			
.725						-.5173	-.4233
.750			-.3150				
.760				-.6970	-.5074		
.775			-.5284				
.808							
.834	-.3841						
.850				-.4809	-.3431	-.3056	
.857			-.3628				
.865	-.4387						
.877	-.9449						
.905			-.2558	-.3922	-.0581		-.1992
.950				-.1466		.0000	
.955							
.965			-.1332				
.985	-.2282						





DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 3  
ARC11-716 IA14 01+112+512N25+AT11 LOWER WING (R81L35)

ALPHA( 3 ) = -.320 BETA( 4 ) = -.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1239	-.0133	.2284	.3584	.2944	.2440	.2733
.020				-.2459	-.3985	-.4500	-.5122
.030		.0707					
.040		.0490					
.048			-.0121				
.050	-.0889		-.1671	-.2769	-.3414	-.4038	
.080			-.1667				
.085		-.0350					
.085		.0757					
.094	-.0747						
.150		.0762		-.1267	-.1415	-.2036	-.2477
.163			-.0397				
.177							
.229	.0056						
.246	-.0209						
.250				-.1082	-.1653	-.1912	-.2842
.274		-.0644					
.362	.0436						
.390	-.0477						
.400				-.1098	-.1843		-.2482
.402		-.0806					
.497	-.0293			-.2196	-.2859		
.550		-.1997					
.565							
.600							
.650							
.700	-.1858				-.3194		-.2953
.725			-.3308				
.750				-.4910			-.4077
.760		-.3095					
.775			-.5020	-.4681			
.808		-.4012					
.834	-.3300			-.3347	-.3292	-.3024	
.850		-.3095					
.857							
.865	-.3435						
.900	-.2872			-.2260			-.1826
.905		-.2461		-.0532			
.950		-.1124					
.953			-.1531				
.965	-.1991						

DATE 11 JAN 75

TABULATED PRESSURE DATA - IAL14 - VOL. 5

PAGE 2000

(R01L35)

ARC11-716 IAL14 01+T12+S12N25+AT11 LOWER WING

ALPHA(3) = -.320 BETA(3) = 0.130

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.000	-.1901	-.0498
.020		.0766
.030		.2591
.040		.2179
.050		.1502
.060		.1804
.085		-.1409
.086		-.4094
.094		-.4945
.153		-.5831
.163		
.177		
.229		
.246		
.250		
.274		
.362		
.390		
.400		
.402		
.497		
.550		
.563		
.600		
.650		
.700		
.725		
.750		
.760		
.773		
.808		
.834		
.850		
.857		
.865		
.900		
.905		
.940		
.953		
.965		

AFC11-716 1A14 01+T12+512R23+AT11 LOWER WING

090

DEPENDENT VARIABLE CPE

7/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0033	.0396	.3567	.5659	.5192	.4390	.3077
.020			.3475	.2291	.2654	.2899	.2715
.030		.2305					
.040			.2296				
.050	.0407			.1479	.1779	.1674	.1164
.060			.1861	.1024			
.085		.2666					
.086							
.094	.0211						
.150				.0973	.1405	.0925	.0342
.163		.2743	.1365				
.177							
.229	.1444						
.246		.1444					
.250				.0788	.0546	.0318	-.0776
.274			.1341				
.362	.2047						
.390		.1425		.0396	-.0245		-.1057
.400			.1286				
.402							
.497	.1436						
.550				-.1582	-.1742		
.565		-.0494					
.600							
.650	.1265			-.4030	-.3357	-.2673	-.2420
.700							
.725							
.750							
.760		-.3495				-.5034	-.4046
.775				-.7037	-.5149		
.808		-.6125					
.834	-.4383						
.850							
.857							
.865	-.5650			-.4052		-.3864	-.3579
.900	-.4200						
.905		-.2843		-.3271		-.0594	-.2662
.950							
.953				-.1397			.0000
.965	-.2351			-.1161			

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 3  
ARC11-716 IA14 01+T12+S12N23+AT11 LOWER WING

(881L35)

ALPHA( 4 ) = 4.020 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.000	-.0515	.0143	.3324	.5285	.4807 .3932 .3476
.020				.1610	.1737 .2058 .1876
.030			.2875		
.040		.1841			
.048			.1714		
.050	-.0051		.1019	.1031	.0981 .0495
.080			.0737		
.085		.1342			
.086		.2214			
.094	-.0141			.0721	.0929 .0444 -.0151
.150		.2322			
.163			.0899		
.177	.1064				
.229		.1015		.0683	.0127 -.0017 -.0927
.246			.0910		
.250					
.274					
.362	.1626				
.390		.0999		.0404	-.0572 -.1389
.400			.0905		
.402					
.497	.1049			-.1363	-.2001
.550			-.0756		-.2350
.565					
.600				-.2831	
.650				-.3410	
.700	.0689			-.3435	-.5171 -.4021
.725					
.750			-.3319		
.760			-.6147	-.5182	
.775			-.5834		
.808					
.834	-.4222			-.4082	-.3755 -.3618
.850			-.3910		
.857					
.865	-.5118			-.2607	-.0530 -.2576
.900	-.3886		-.2645		
.905				-.0826	.0000
.950			-.1197		
.955					
.965	-.2372				



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+12+512R25+AT11 LOWER WING  
 (R01L35)

ALPHA(4) = 4.023 BETA(3) = .340

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.1158	-.0440	.2779	.4722	.4316	.3511	.3082
.020				.0737	.0770	.1099	.1050
.030			.2418				
.040		.1293					
.048			.1311				
.050	-.0436			.0366	.0342	.0241	-.0177
.080				.0185			
.085			.0897				
.086		.1735					
.094	-.0405			.0180	.0444	-.0073	-.0702
.150		.1914					
.163			.0463				
.177							
.229	.0700						
.246		.0564					
.250				.0183	-.0531	-.0433	-.1248
.274		.0439					
.362	.1256						
.390		.0553					
.400				-.0031	-.0921		-.1752
.402			.0397				
.497	.0537			-.1616	-.2167		
.550			-.1136				
.565							
.600							
.650							
.700	-.0419				-.2945		
.725				-.3398			
.750							
.760			-.3120				
.775				-.5837	-.5098		
.808			-.5236				
.834	-.3830						
.850				-.5846	-.3780	-.3372	
.857			-.3609				
.865	-.4270						
.900	-.3390			-.2496			-.2494
.905			-.2553		-.0513		
.910				-.0871		.0000	
.953			-.1232				
.965	-.2269						

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TABULATED PRESSURE DATA - IA14A - VOL. 5

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(R01L35)

ARC11-716 IA14 01\*712\*512N25\*AT11 LOWER WING

ALPHA( 4) = 4.010 BETA( 4) = 5.100

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP				
V/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.003	-.2400	-.1737	.1102	.4020	.3524 .2833 .2564
.020				.0546	-.0077 .0091 .0120
.030			.1637		
.040		-.0308			
.048			.0901		
.050	-.1102			.0265	-.0361 -.0495 -.0820
.080				-.0025	
.085			.0638		
.086		.0736			
.094	-.0750				
.130				-.0066	-.0265 -.0599 -.1135
.163		.1182			
.177			.0183		
.229	.0186				
.246		.0398			
.250				-.0120	-.0723 -.0874 -.1658
.274		.0039			
.362	.0690				
.390		.0093			
.400				-.0426	-.1231
.402			-.0298		-.1978
.497	.0126				
.550				-.1588	-.2297
.565			-.1597		
.600					-.2715
.650				-.2921	
.700	-.1593			-.3318	
.725				-.2753	
.750					-.4946 -.4151
.760		-.2870			
.775			-.4230	-.4607	
.808		-.3783			
.834	-.3290				
.850			-.2822	-.3530	-.3376
.857		-.2944			
.865	-.3266				
.900	-.2682		-.1998		-.2332
.925		-.2353	-.0650		
.950				-.0918	.0000
.953		-.1404			
.965	-.1793				



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(R81L75)

ARC11-716 1A14 01+Y12+512N25+AT11 LOWER WING

ALPHA( 4 ) = 4.000 BETA( 5 ) = 8.160

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

1/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.3000	-.1315	-.0112	.2431	.3219	.2490	.2316
.020				.0682	-.0579	-.0444	-.0500
.030			.0746				
.040		-.0526					
.048			.0494				
.050	-.1842			.0457	-.0739	-.0900	-.1230
.060				.0228			
.085			.0408				
.086		.0183					
.094	-.1323			.0055	-.0402	-.0852	-.1348
.150		.0705					
.163			.0153				
.177							
.229	-.0222						
.246		.0136		-.0082	-.0991	-.1072	-.1757
.250							
.274			-.0028				
.362	.0433						
.390		-.0097		-.0470	-.1403		-.2030
.400							
.402			-.0419				
.497	-.0088			-.1418	-.2390		
.550							
.565			-.1783				
.600							
.650							
.700	-.2125			-.2441	-.3142		-.2705
.725						.2804	
.750							
.760			-.2883			-.4563	-.4034
.774				-.3525	-.3770		
.808			-.3611				
.834	-.2876						
.850				-.2436	-.2968	-.3172	
.857			-.2876				
.865	-.2884						
.900	-.2330			-.1724			-.2167
.935			-.2376	-.0890			
.950				-.0806			.0000
.953			-.1583				
.965	-.1774						

(RB1L35)

ARC11-716 1A14 01+Y12+S12N25+AT11 LOWER WING

ALPHA( 5 ) = 7.933    BETA( 1 ) = -8.349

SECTION (1) LOWER WING		DEPENDENT VARIABLE C/F				
Y/BW	Z/WH	.3640	.4270	.5340	.6730	.8870
X/CW						
.000	-.0463	-.0383	.3089	.5208	.3875	.2234
.020				.4209	.4879	.5239
.030				.4395		.4782
.040		.2444				
.048						
.050	.0615		.3162	.2852	.3658	.3693
.080				.2233		.3197
.085			.2597			
.086						
.094	.0489					
.150				.1769	.2573	.2261
.163		.3209				.1607
.177			.1947			
.229	.1712					
.246		.1864				
.250				.1403	.1457	.1306
.274			.1765			.0518
.390	.2356					
.400		.1783		.0765	.0383	-.0365
.432			.1364			
.497	.1788					
.550				-.1228	-.1218	
.565			-.0237			-.2274
.600						
.650						
.700	.1312					
.725				-.3868	-.3193	
.750						-.3656
.760			-.3413			
.775				-.6745	-.4695	
.808			-.5871			
.834	-.4293					
.850				-.4875	-.4257	-.4212
.857			-.3912			
.865	-.5384					
.900	-.4555					-.3714
.905			-.2709	-.3416	-.1241	
.950				-.1585		.0000
.953			-.1188			
.955	-.2011					



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TABULATED PRESSURE DATA - 1A14A - VOL. 3

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ARC11-716 1A14 01+112+512+25+AT:1 1/2" WING

(R01L35)

ALPHA( S) = 7.940 BETA( 2) = -4.000

SECTION ( 3) LOWER WING	DEPENDENT VARIABLE CP			
V/BW	.2990	.3640	.4270	.5340
z/cw	.2747	.4985	.3754	.2011
.000	-.1212	-.1014	.2747	.4985
.020			.3452	.4074
.030			.3779	.4554
.040		.1070		
.048		.2638		
.050	.0100		.2335	.2964
.060			.1764	
.085		.2059		
.086		.2576		
.094	.0094		.1496	.2029
.150		.2775	.1010	.1109
.163		.1470		
.177				
.229	.1293			
.246		.1446		
.250			.1156	.0979
.274		.1370	.0910	.0132
.362	.1946			
.390		.1399		
.400			.0652	.0096
.402		.1202		-.0631
.497	.1305		-.1195	-.1434
.550				
.565				
.600				
.650				
.700	.0806			
.725			-.3205	.2403
.750			-.3112	
.760				
.775				
.808				
.834	-.4002			
.850			-.4110	-.3910
.857				-.3004
.865	-.4950			
.900	-.3754			
.925			-.2761	-.3250
.950			-.2566	-.0930
.953			-.1021	.0000
.965	-.2101		-.1061	

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ARC11-716 1A14 01+712+512M3+AT11 LOWER WING (RB1L33)

ALPHA (  $\alpha$  ) = 7.940 BETA (  $\beta$  ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2020	-.1757	.2089	.4481	.3532	.1790	.0583
.020			.3213	.2596	.3147	.3815	.3456
.040		.1099					
.060			.2080				
.080	-.0474			.1687	.2203	.2402	.2019
.100			.1566	.1236			
.120		.1980					
.140	-.0278			.1079	.1524	.1304	.0694
.160		.2320					
.180			.1907				
.200	.0942						
.220		.0989		.0736	.0333	.0580	-.0291
.240			.0878				
.260	.1535						
.280		.0874		.0358	-.0288		-.0981
.300			.0704				
.320	.0907						
.340				-.1247	-.1654		
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



(RB1635)

ARC11-716 1A14 01+Y12+312N25+AT11 LOWER WING

ALPHA( 3 ) = 7.939    BETA( 4 ) = 4.119

SECTION ( FLOWER WING		DEPENDENT VARIABLE CP				
Y/OW	.2090	.3640	.4270	.5340	.6730	.7800
X/CW						
.000	-.3369	-.3110	.0727	.3767	.3098	.1665
.020				.1935	.2340	.3023
.030			.2422			.2604
.040		-.0427				
.048			.1735			
.050	-.1113			.1164	.1519	.1479
.080			.1207	.0725		
.086		.1012				
.094	-.0610					
.150						
.163		.1624	.0487	.0453	.0911	.0859
.220	.0499					.0233
.246		.0793				
.250			.0387	.0169	.0030	.0146
.274						-.0683
.362	.1142	.0431				
.400			.0067	-.0271	-.0639	-.1263
.497	.0499					
.550				-.1707	-.1060	
.563			-.1440			-.2498
.600						
.650						
.700	-.1850			-.3178	-.3120	
.723						
.750			-.2831			-.4656
.760						-.4023
.773			-.3868	-.5109	-.4645	
.800						
.834	-.3176					
.850				-.3461	-.3644	-.3503
.857			-.2942			
.953	-.3439					
.950	-.2810					
.903			-.2261	-.2519	-.0713	-.8717
.950				-.1131		.0000
.993			-.1298			
.963	-.1939					

(R01L35)

ARC11-716 1A14 01+12+SIGN25+AT11 LOWER WING

ALPHA( S) = 7.925 BETA( S) = 0.100

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP
1/8 W	.2990 .3660 .4270 .5340 .6730 .7800 .8870
R/CW	
.000	-.4261 -.2311 -.1669 .2015 .2065 .1591 .0414
.020	.0330 .0889 .0889 .1700 .1610 .2260 .2213
.040	-.1184 .0979 .0979 .1192 .0802 .1092 .0918
.060	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.080	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.100	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.120	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.140	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.160	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.180	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.200	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.220	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.240	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.260	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.280	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.300	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.320	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.340	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.360	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.380	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.400	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.420	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.440	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.460	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.480	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.500	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.520	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.540	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.560	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.580	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.600	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.620	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.640	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.660	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.680	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.700	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.720	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.740	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.760	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.780	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.800	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.820	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.840	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.860	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.880	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.900	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.920	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.940	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.960	.0986 .0986 .0986 .0986 .0986 .0986 .0986
.980	.0986 .0986 .0986 .0986 .0986 .0986 .0986
1.000	.0986 .0986 .0986 .0986 .0986 .0986 .0986



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TABULATED PRESSURE DATA - IAL14 - VOL. 5

PAGE 2011

A2011-716 IAL14 01+112+512+25+AT11 LOWER WING

(R01L36) ( 15 FEB 74 )

## REFERENCE DATA

SKEW = 2.4210 INCHES  
 CHORD = 29.5970 INCHES  
 CHORD = 36.7390 INCHES  
 CHORD = 40.00 INCHES  
 CHORD = 36.7390 INCHES  
 CHORD = 40.00 INCHES  
 SCALE = 10000 SCALE

ALPHA = 0.120 BETAS = 0.000

## PARAMETRIC DATA

MACH = 0.850 ELEVON = 0.000  
 RUDDER = 0.000 SPOILER = 0.000

## DEPENDENT VARIABLE CO

## SECTION 1 LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870	
X/CW	.000	.0441	.0700	.2950	.3340	.2169	.1213	.1583
	.020			-1.0620	-1.0740	-.9730	-.7514	
	.030			-.2751				
	.040		.0361					
	.046		-.2795					
	.050	-.0620		-.4505	-1.0810	-.8551	-.7460	
	.050			-.3372				
	.065		-.2094					
	.086	.0624						
	.094	-.0752						
	.150		.0560	-.2304	-.3636	-.7987	-.7529	
	.169							
	.177		-.1375					
	.229	.0625						
	.246	-.0904						
	.250			-.1121	-.1609	-.5291	-.7192	
	.274		-.0716					
	.362	.0622						
	.390	-.0257		-.0099	-.1245		-.5800	
	.400		.0336					
	.402			-.1349	-.2675			
	.497	-.0503		-.0315				
	.550							
	.565							
	.600							
	.650							
	.700	.1144						
	.725			-.7503	-.6205		-.4269	
	.750							
	.760		-.7049					
	.775			-.7876	-.8012			
	.806		-.6908					
	.834	-.5866						
	.855			-.4413	-.2856	-.5139		
	.857		-.3956					
	.865	-.7197						
	.900	-.5132		-.2395			-.2703	
	.935		-.2777		-.1080			



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
ARC11-716 IAI4 01+112-512025+111 LOWER WING (RBIL36)

ALPHA( 1 ) = -0.110 BETA( 2 ) = -3.970

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.837			-.3906				
.865	-.6252						
.900	-.4547		-.2373				-.2923
.935		-.2742		-.1161			
.950			-.1555				-.0000
.953		-.1754					
.965	-.3081						

ALPHA( 1 ) = -0.070 BETA( 3 ) = .010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0022	.0042	.1559	.1242	-.0537	-.1685	-.1167
.020				-1.1690	-1.1160	-.9131	-.8002
.030			-.3287				
.040		.0227					
.048			-.3298				
.050	-.0703			-.8697	-.10750	-.8994	-.7752
.060			-.2787	-.5408			
.085		.0304					
.086							
.094	-.0739			-.3599	-.9176	-.9647	-.7878
.150		.0121					
.163			-.2305				
.177							
.229	.0227						
.246		-.1575					
.250				-.2256	-.1982	-.9751	-.8295
.274			-.1812				
.352	.0114						
.390		-.1345					
.400							
.402			-.0974				-.8403
.497	-.1022						
.550				-.2235	-.3360		
.555			-.1589				
.600							-.5478
.650							
.700	-.0758			-.6499	-.6776		
.725							
.750						-.6256	-.3848
.760							-.4674

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TABULATED PRESSURE DATA - 1A14A - VOL. 3

PAGE 2014

(R01L36)

ARC11-716 1A14 01+112+312N25+AT11 LOWER WING

ALPHA( 1 ) = -0.070 BETA( 3 ) = .010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.955							

ALPHA( 1 ) = -0.080 BETA( 4 ) = 4.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							





(RBIL36)

ARC11-716 IALIA 01+112+512N25+111 LOWER WING

ALPHA(1) = -0.080 BETA(1) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700 -.2240  
 .725 -.5148  
 .750 -.4328  
 .760 -.3773  
 .775 -.6025  
 .785 -.5475  
 .800 -.4689  
 .834 -.4021  
 .850 -.3508  
 .857 -.3555  
 .865 -.2855  
 .900 -.2401  
 .905 -.2773  
 .950 -.0952  
 .953 -.1549  
 .965 -.2025  
 .965 -.2253

ALPHA(1) = -0.100 BETA(1) = 0.160

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0619  
 .020 -.0029  
 .030 -.0639  
 .040 -.2416  
 .046 -.2280  
 .050 -.0749  
 .060 -.6454  
 .065 -.9223  
 .066 -.4237  
 .086 .0156  
 .094 -.0824  
 .100 -.2998  
 .150 -.6630  
 .163 -.1000  
 .177 -.9019  
 .177 -.1913  
 .229 -.0306  
 .246 -.1239  
 .250 -.2448  
 .274 -.3171  
 .362 -.8484  
 .390 -.9088  
 .400 -.1786  
 .402 -.1116  
 .402 -.2286  
 .497 -.3079  
 .497 -.8100  
 .497 -.1814  
 .497 -.1323

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ARC11-716 1A14 01+112+S12N25+AT11 LOWER WING

(RB1L36)

ALPHAD ( 1 ) = -0.100 BETAD ( 5 ) = 0.160

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP				
Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730 .7800 .0870
	.550				-.3126	-.3872
	.565			-.2949		
	.600					-.3051
	.650				-.3099	
	.700	-.3084			-.3790	
	.725				-.3926	
	.750					-.5742
	.760			-.3672		-.3606
	.775			-.5439	-.5582	
	.808			-.4610		
	.834	-.3738				
	.850			-.3751	-.3481	-.3083
	.857			-.3747		
	.865	-.3712				
	.900	-.3138		-.2715		-.2654
	.905			-.3214	-.1079	
	.950			-.1654		.0000
	.953			-.2421		
	.965	-.2461				

ALPHAD ( 2 ) = -3.990 BETAD ( 1 ) = -0.050

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP				
Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730 .7800 .0870
	.000	.0734	.1549	.4218	.5222	.4537 .3898 .4113
	.020				-.3855	-.6292
	.030			.0200		-.7174
	.040		.1595			-.8929
	.048			-.0472		
	.050	-.0226		-.2410	-.3204	-.4260
	.060				-.1689	
	.065			-.0345		
	.066		.1575			
	.094	-.0364				
	.150				-.0693	-.0954
	.163		.1564		-.1745	-.2362
	.177			-.0120		
	.229	.0935				
	.246		.0137			
	.250				.0084	-.0654
	.274					-.1216
	.362	.1278		.0285		-.2387



(R91136)

ARTICLE 1414 01+112+1225+4111 LOWER WING

ALPHA( 2 ) = -3.980 BETA( 1 ) = -8.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.0615						
.390				.0600	.0664		-.2393
.400							
.402		.0983					
.497	.0741						
.550				-.0947	-.2333		
.565			.0030				
.600							
.650							-.3662
.700	.1976				-.4397		
.725					-.5626		
.750				-.6379			
.760			-.6357			-.6388	-.6676
.775				-.7508	-.7576		
.809			-.7056				
.834	-.5432						
.850				-.3600	-.2394	-.2362	
.857			-.3704				
.865	-.6724						
.900	-.4825			-.2025			-.1544
.905			-.2507		-.1043		
.930				-.1160		.0000	
.943			-.1444				
.965	-.2868						

ALPHA( 2 ) = -3.980 BETA( 2 ) = -3.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0240	.1046	.3548	.4194	.3367	.2517	.2838
.020				-.5232	-.8355	-.8474	-.9168
.030			-.0451				
.040		.1182					
.048			-.1170				
.050	-.0489			-.2999	-.4031	-.6050	-.7606
.060				-.2498			
.065			-.0946				
.086		.1193					
.094	-.0806						
.150				-.1337	-.1586	-.2400	-.3206
.163		.1099					
.177							-.0688
.229	.0657						

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OF POOR QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1P\*4 01\*112\*512N25\*AT11 LOWER WING

(RB1136)

ALPHA( 2) = -3.980 BETA( 2) = -3.990

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP
7/8W	.2990 .3640 .4270 .5340 .6730 .7600 .8870
X/CW	
.246	-.0364
.250	-.0489
.274	-.0297
.362	.0944
.390	.0029
.400	.0465
.402	.0236
.497	.0195
.550	-.1272
.565	-.0441
.600	-.1272
.650	-.0441
.700	-.1272
.725	-.0441
.750	-.1272
.775	-.0441
.800	-.1272
.834	-.0441
.850	-.1272
.857	-.0441
.865	-.1272
.900	-.0441
.905	-.1272
.950	-.0441
.953	-.1272
.965	-.0441

ALPHA( 2) = -3.990 BETA( 3) = .060

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP
7/8W	.2990 .3640 .4270 .5340 .6730 .7600 .8870
X/CW	
.000	-.0037
.020	.0760
.030	.2005
.040	.3184
.060	.1977
.080	.1175
.100	.0571
.120	-.0371
.140	-.1343
.160	-.2460
.180	-.3460
.200	-.4394
.220	-.5213
.240	-.5996
.260	-.6730
.280	-.7412
.300	-.7995
.320	-.8536
.340	-.9036
.360	-.9495
.380	-.9915
.400	-1.0295
.420	-1.0637
.440	-1.0941
.460	-1.1205
.480	-1.1435
.500	-1.1627
.520	-1.1775
.540	-1.1880
.560	-1.1945
.580	-1.2000
.600	-1.2056
.620	-1.2112
.640	-1.2167
.660	-1.2223
.680	-1.2278
.700	-1.2334
.720	-1.2389
.740	-1.2445
.760	-1.2500
.780	-1.2556
.800	-1.2611
.820	-1.2667
.840	-1.2722
.860	-1.2778
.880	-1.2833
.900	-1.2889
.920	-1.2944
.940	-1.3000
.960	-1.3056
.980	-1.3111
.1000	-1.3167



DATE 01 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 TAIL OUTLINE 25+AT11 LOWER WING (881136)

ALPHA( 2 ) = -3.990 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163							
.177		.0869					
.229							
.246							
.250		.0398					
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.750							
.775							
.808							
.834							
.850							
.857							
.885							
.900							
.905							
.950							
.953							
.955							

ALPHA( 2 ) = -3.990 BETA( 4 ) = 4.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							

ARC11-716 IAI14 OL+T12+512+23+AT11 LOWER WING

(RBIL36)

ALPHAD( 2 ) = -3.990 BETA0 ( 4 ) = 4.070

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/B	.2990	.3640	.4270	.5340 .6750 .7850 .8670
X/CW				
.080				-.2670
.083				-.0896
.085		.0793		
.094	-.0321			
.150		.0560		
.163				-.1862 -.2444 -.3357 -.5262
.177				-.0945
.229	.0187			
.246		-.0435		
.250				
.274				
.362	.0305			
.390				
.400				
.402				
.497	-.0459			
.550				
.565				
.600				
.650				
.700	-.1739			
.725				
.750				
.760				
.775				
.808				
.834	-.3754			
.850				
.897				
.865	-.3919			
.900	-.3150			
.905				
.950				
.953				
.965				

(RBIL36)

DATE 11 JAN 75  
TABULATED PRESSURE DATA - IAL14 - VOL. 5  
ARC11-716 IAL14 D1+T12+512425+AT11 LOWER WING

ALPHA: 2.3 -4.000 BETAS: 5 = 5.110

SECTION: 11 LOWER WING

DEPENDENT VARIABLE: CP

Y/Z	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.0930	.0150	.0949	.1756	.0221	-.0892	-.0559
.020				-.4553	-.9559	-.9401	-.8339
.030			-.0175				
.040		.0365					
.048			-.0553				
.050	-.1093			-.2590	-.4867	-.8140	-.8929
.060			-.0690	-.2334			
.085		.0401					
.094	-.1035			-.1703	-.2462	-.3555	-.5934
.130		.0350					
.163			-.0850				
.177							
.229	-.0235						
.246		-.0567					
.250				-.1471	-.2408	-.2925	-.3785
.274		-.0993					
.342	.0127	-.0794					
.390				-.1651	-.2411		-.3335
.400			-.1208				
.437	-.0650			-.2690	-.3322		
.565			-.2463				
.600							
.650							
.700	-.2414			-.3624			
.725					-.3788		
.750			-.3488			-.5547	-.4809
.775			-.4476		-.5016	-.4713	
.808							
.834	-.3714						
.850			-.3617		-.3523	-.3340	-.2814
.857							
.865	-.3808						
.930	-.2994						
.935			-.3009		-.2667	-.1023	-.1424
.950					-.1602		.0000
.953			-.2189				
.965	-.2210						

END PAGE 15  
OF POOR QUALITY

(801136)

ARC11-716 1A14 01+112+312N25+AT11 LOWER WING

ALPHA(3) = -.310 BETA(1) = -0.050

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.000	.0510	.1444	.4417	.6058 .5761 .5327 .5321
.020				-.0196 -.0656 -.1155 -.1924
.030		.2226	.2221	
.040			.1195	
.048				-.0049 -.0586 -.1099 -.1903
.050	.0190			-.0027
.080			.0974	
.085		.2305		
.086				
.094	-.0076			
.150			.0457	.0422 -.0244 -.1082
.163		.2285		
.177			.0819	
.229	.1224			
.246		.0988		
.250			.0804	.0126 -.0342 -.1736
.274			.1049	
.362	.1813			
.390		.1232		
.400			.0940	-.0284 -.1946
.402			.1417	
.497	.1313			
.550			-.0790	-.2112
.565			.0191	
.600				-.4229
.650				-.5667
.700	.2103			-.6424
.725				
.750			-.5141	
.760				-.6155 -.6489
.775			-.7097	-.7388
.808			-.6776	
.834	-.4826			
.850			-.3737	-.2555 -.2762
.857			-.4056	
.865	-.6333			
.900	-.4699		-.1647	-.1834
.905			-.2346	-.0324
.950			-.0754	.0900
.953			-.1144	
.965	-.2682			





(R01-36)

DATE 11 JAN 75  
TABULATED PRESSURE DATA - TAI4A - W00. 5  
AC001-716 TAI4-01+T12+512+250+T111 LOWER WING

96011-716 1114-51+Y12+512+23+AT11 LOWER WING

$$A_{-1}M_{-1}(3) = -.329 \quad \text{BETAC}(2) = -.3.999$$

SECTION		TUMBLER WING		DEPENDENT VARIABLE OF			
T/W	X/CW						
.200	.0038	.2993	.3640	.4270	.5340	.6730	.7807
.200	.0038						.8873
.200	.0038		.1050	.3910	.5312	.4947	.4478
.200	.0038			.1628	-.1193	-.1840	-.3242
.200	.0038		.1757				
.200	.0038			.0608			
.200	.0038	-.0210			-.0838	-.1397	-.1988
.200	.0038			.0446	-.0723		-.2715
.200	.0038		.1803				
.200	.0038	-.0347			-.0153	-.0190	-.0768
.200	.0038		.1803				-.1672
.200	.0038			.0286			
.200	.0038	.0912					
.200	.0038		.0499				
.200	.0038			.0495	.0265	-.0409	-.0848
.200	.0038						-.2196
.200	.0038	.1441					
.200	.0038		.0710		.0441	-.0722	-.2420
.200	.0038			.0874			
.200	.0038	.0847			-.1231	-.2486	
.200	.0038			-.0309			-.3995
.200	.0038					-.4702	
.200	.0038	.1384			-.6455	-.5926	
.200	.0038						-.6483
.200	.0038			-.3989	-.6002	-.6673	
.200	.0038			-.6668			
.200	.0038	-.4687			-.3782	-.2566	-.2509
.200	.0038			-.3968			
.200	.0038	-.3787			-.1897		-.1756
.200	.0038	-.4274			-.0531		
.200	.0038			-.2393	-.0734		.0000
.200	.0038			-.1197			
.200	.0038	-.2639					

(R01L36)

ARC11-716 1A14 01+T12+512H23+AT11 LOWER WING

ALPHA(1 3) = -.332 BETA(1 3) = .240

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0537 .0537 .3320 .4536 .3950 .3470 .3584

.023 .023 .030 .1319 .0307 .0307 .0307 .0307

.040 .040 .040 .040 .040 .040 .040 .040

.060 .060 .060 .060 .060 .060 .060 .060

.080 .080 .080 .080 .080 .080 .080 .080

.100 .100 .100 .100 .100 .100 .100 .100

.120 .120 .120 .120 .120 .120 .120 .120

.140 .140 .140 .140 .140 .140 .140 .140

.160 .160 .160 .160 .160 .160 .160 .160

.180 .180 .180 .180 .180 .180 .180 .180

.200 .200 .200 .200 .200 .200 .200 .200

.220 .220 .220 .220 .220 .220 .220 .220

.240 .240 .240 .240 .240 .240 .240 .240

.260 .260 .260 .260 .260 .260 .260 .260

.280 .280 .280 .280 .280 .280 .280 .280

.300 .300 .300 .300 .300 .300 .300 .300

.320 .320 .320 .320 .320 .320 .320 .320

.340 .340 .340 .340 .340 .340 .340 .340

.360 .360 .360 .360 .360 .360 .360 .360

.380 .380 .380 .380 .380 .380 .380 .380

.400 .400 .400 .400 .400 .400 .400 .400

.420 .420 .420 .420 .420 .420 .420 .420

.440 .440 .440 .440 .440 .440 .440 .440

.460 .460 .460 .460 .460 .460 .460 .460

.480 .480 .480 .480 .480 .480 .480 .480

.500 .500 .500 .500 .500 .500 .500 .500

.520 .520 .520 .520 .520 .520 .520 .520

.540 .540 .540 .540 .540 .540 .540 .540

.560 .560 .560 .560 .560 .560 .560 .560

.580 .580 .580 .580 .580 .580 .580 .580

.600 .600 .600 .600 .600 .600 .600 .600

.620 .620 .620 .620 .620 .620 .620 .620

.640 .640 .640 .640 .640 .640 .640 .640

.660 .660 .660 .660 .660 .660 .660 .660

.680 .680 .680 .680 .680 .680 .680 .680

.700 .700 .700 .700 .700 .700 .700 .700

.720 .720 .720 .720 .720 .720 .720 .720

.740 .740 .740 .740 .740 .740 .740 .740

.760 .760 .760 .760 .760 .760 .760 .760

.780 .780 .780 .780 .780 .780 .780 .780

.800 .800 .800 .800 .800 .800 .800 .800

.820 .820 .820 .820 .820 .820 .820 .820

.840 .840 .840 .840 .840 .840 .840 .840

.860 .860 .860 .860 .860 .860 .860 .860

.880 .880 .880 .880 .880 .880 .880 .880

.900 .900 .900 .900 .900 .900 .900 .900

.920 .920 .920 .920 .920 .920 .920 .920

.940 .940 .940 .940 .940 .940 .940 .940

.960 .960 .960 .960 .960 .960 .960 .960

.980 .980 .980 .980 .980 .980 .980 .980

.1000 .1000 .1000 .1000 .1000 .1000 .1000 .1000



ARC11-716 1A14 01+T1P+312P+25+AT11 LOWER WING

(RB1L36)

ALPHA( 3) = -.330 BETAD ( 3) = 0.133

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
X/CW	Y/CW	Y/CW	Y/CW	Y/CW
.000	-.1872	-.0333	.0842	.2493
.025			.2443	.1676
.050			-.1123	-.3753
.075			.0936	-.5014
.100		-.0036		
.125			.0177	
.150	-.1123		-.0763	-.2436
.175			-.0854	-.4741
.200			.0237	
.225		.0323		
.250	-.1135		-.0740	-.1225
.275		.0578	-.1225	-.1991
.300	-.0134		-.0232	-.2695
.325		-.0366		
.350			-.0609	-.3243
.375	.0403		-.0273	
.400				-.3233
.425			-.1148	-.1886
.450		-.0685		
.475	-.0098		-.2291	-.2953
.500		-.2033		
.525				-.3072
.550			-.3541	
.575			-.3566	
.600	-.1060		-.3402	-.5268
.625				-.5099
.650			-.3212	
.675			-.4775	-.4298
.700			-.4192	
.725				
.750			-.3396	-.3433
.775				-.3159
.800	-.3323			-.2741
.825				
.850				
.875	-.3313			
.900	-.2906		-.2599	-.1297
.925			-.2686	-.1099
.950			-.1160	.0000
.975			-.2010	
.995	-.2201			

(R02130)

ARC11-716 1A14 01+Y12+S12N2S+AT11 LOWER WING

$$\text{ALPHA}(4) = 2.019 \quad \text{BETA}(1) = -4.919$$

SECTION ( 11)LOWER WING		DEPENDENT VARIABLE CP						
T/W		.2993	.3640	.4270	.5343	.6733	.7033	.0013
Z/CW								
.000	-.0301	.0274	.3602	.3691	.5233	.4453	.4042	
.020			.3194	.1569	.1877	.2139	.1743	
.040		.2031						
.060			.2502					
.080	.0042			.1011	.1199	.1106	.0400	
.100				.0742				
.120			.1640					
.140	.0046	.0003						
.160		.2703		.0799	.1209	.0733	-.0156	
.180			.1242					
.200	.1279							
.220		.1341						
.240			.1261	.0013	.0927	.0196	-.0024	
.260	.2031							
.280		.1363						
.300			.1414	.0696	-.0132		-.1706	
.320	.1300							
.340			-.0035	-.1119	-.1967			
.360						-.4000	-.3456	
.380					-.5090			
.400	.1614							
.420			-.3394			-.5296	-.5202	
.440			-.6442	-.5047	-.5751			
.460								
.480	-.6411			-.6007	-.6361	-.6162		
.500			-.6939					
.520	-.6015							-.3033
.540	-.6424			-.2537	-.0606			
.560								
.580			-.1170					
.600	-.2830							

DATE 11 JAN 75

TABULATE: PRESSURE DATA - TALGA - VOL. 5

PAGE 2027

ARCL1-716 TALGA Q1+T12+SI2N25+AT11 LOWER WING

(R81L36)

ALPHA (4) = 3.810 BETA (2) = .740

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2390 .3540 .4270 .3340 .6730 .7300 .8870

X/CW

.003	-.1197	-.0397	.3108	.5035	.4597	.3882	.3481
.020				.0945	.0918	.1258	.0882
.030			.2706				
.040		.1426					
.048			.1507				
.050	-.0376			.0571	.0355	.0357	-.0212
.080				.0420			
.085			.1173				
.096		.1964					
.094	-.0292			.0464	.0614	.0137	-.0741
.150		.2225					
.163			.0701				
.177							
.229	.0892			.0308	.0019	-.0233	-.1371
.246		.0850					
.250			.0693				
.274							
.332	.1501						
.390		.0847		.0415	-.0582		-.2205
.400			.0773				
.402							
.497	.0826			-.1256	-.2324		
.550			-.0657				
.565							
.600							
.650							
.700	.0314						
.725				-.4462			
.750							
.760			-.3313				
.775				-.5437	-.5823		
.808			-.6382				
.834	-.4106						
.850				-.5329	-.5677	-.5537	
.857			-.4399				
.865	-.4946						
.900	-.3908			-.2166			-.2425
.905			-.2607		-.0464		
.950				-.0749		.0000	
.955			-.1254				
.965	-.2463						

(R81L36)

ARC11-716 1A14 01+712+512N25+AT11 LOWER WING

ALPHA( 4) = 3.000 BETA( 3) = 4.990

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3840	.4270	.5340	.6730	.7000	.8070
X/CW							
.020	-.2130	-.1140	.1766	.4347	.3906	.3164	.2926
.020				.0683	.0269	.0571	.0123
.030			.1944				
.040		.0166					
.048			.1350				
.050	-.0883			.0484	-.0124	-.0240	-.0760
.080				.0206			
.085			.0910				
.086		.1046					
.094	-.0431						
.150				.0206	.0012	-.0346	-.1177
.163		.1472					
.177			.0447				
.229	.0493						
.246		.0695		.0117	-.0397	-.0672	-.1775
.250			.0279				
.274							
.362	.1051						
.390		.0402					
.400				-.0153	-.0902		-.2492
.402			.0005				
.497	.0116						
.550				-.1599	-.2596		
.565			-.1440				
.600							
.650							
.700	-.1024						
.725				-.3462	-.3702		
.750							
.760			-.3306				
.772				-.5379	-.6102		
.828			-.4566				
.834	-.1025						
.852							
.817			-.3474				
.865	-.4041						
.900	-.3211			-.2234	-.0477		-.1957
.905			-.2566				
.950				-.1042			.0000
.953			-.1607				
.965	-.2209						



(R81.36)

ARC11-716 IAL14 01\*112\*512\*25\*AT11 LOWER WING

ALPHA (4) = 3.789 BETA (4) = 9.159

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2934	-.0938	.0035	.2272	.3516	.2714	.2521
.020			.0840	.0779	-.0360	-.0269	-.0689
.030		-.0435					
.040			.0635				
.048				.0471	-.0493	-.0660	-.1331
.050	-.1818			.0245			
.080			.0535				
.095		.0252					
.086							
.094	-.1147		.0773	.0050	-.0219	-.0734	-.1586
.150							
.163							
.177			.0367				
.229	-.0031						
.246		.0324					
.250				-.0114	-.0845	-.1023	-.2160
.274			.0142				
.362	.0615						
.390		.0131					
.400				-.0643	-.1455		-.2715
.402			-.0192				
.497	.0235						
.550				-.1928	-.2751		
.555			-.1726				
.600							
.650							
.700	-.1702						
.725				-.3437		-.3498	-.3314
.750					-.3653		
.760			-.3175				
.775			-.4138	-.4783	-.4618		
.808							
.834	-.3396						
.850							
.857			-.3349				
.865				-.3365	-.3248	-.3323	
.900	-.3306						
.900	-.2805						
.905			-.2437				
.925			-.2710	-.0914			-.1650
.950							
.955			-.1363				.0000
.955			-.1876				
.965	-.2024						

(R81L36)

ARC11-716 1A14 01+712+S12N25+AT11 LOWER WING

ALPHA( 5) = 7.940 BETA( 1) = .030

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

[illegible]



(REIL36)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5  
ARCH-716 1414 0112-912425\*AT11 LOWER WING

ALPHA: 5° ± 7.930 BETA: (2) ± 4.130

SECTION: 1 LOWER WING DEPENDENT VARIABLE: CP

Y/B	.2930	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3441	-.2778	.1011	.4061	.3653	.2571	.1529
.020				.2243	.2309	.3124	.2759
.030			.2564				
.040		-.0292					
.048			.1934				
.050	-.0993			.1515	.1516	.1785	.1438
.080			.1087				
.085			.1415				
.086		.1143					
.094	-.0411			.0854	.1083	.0935	.0230
.100		.1776					
.163			.0912				
.177							
.229	.0650						
.246		.1104		.0644	.0275	.0279	-.2812
.250			.0684				
.275							
.362	.1379	.0772					
.390				.0220	-.0504		-.1569
.400			.0364				
.402							
.497	.0640			-.1360	-.2067		
.550			-.1209				
.565							
.600							
.650							
.700	-.0788						
.725				-.3376			
.750					-.3619		
.760							
.775							
.808							
.834	-.3690						
.850							
.857							
.865	-.3845						
.900	-.3184						
.925							
.950							
.953							
.965	-.2182						



(881136)

ARC11-716 IAI4 01+T12+S12N23+AT11 LOWER WING

ALPHA(°) = 7.910 BETA(°) = 8.190

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2000	-.4755	-.1335	.2265 .3347 .2149 .1169
.020		.1722	.1800 .2350 .2023
.030		.1059	
.040	-.0631		
.048		.1152	
.050	-.1995	.1140	.1026 .1156 .0769
.060		.1010	
.065		.1163	
.066	.0323		
.094	-.1201	.0702	.0637 .0460 -.0281
.150			
.163	.1212		
.177	.1015		
.229	.0107		
.246	.0949		
.250		.0443	-.0145 -.0156 -.1261
.274	.0741		
.362	.0963		
.390	.0681		
.400		-.0124	-.0064 -.1032
.402	.0311		
.491	.0628		
.550		-.1474	-.2256
.565		-.1378	
.600			-.3209
.650			-.3280
.701	-.1348	-.3103	-.3654
.725			
.750		-.3211	
.760			-.5319
.775		-.4641	-.5356
.800		-.4214	
.834	-.3635		
.850		-.3506	-.3860 -.3801
.857		-.3242	
.864	-.3354		
.900	-.2900		
.909		-.2517	-.0926 -.2751
.950		-.2616	
.953		-.1232	.0000
.965		-.1741	
.965	-.2007		



(RBIL37) ( 15 FEB 74 )

ARC11-716 1A14 01\*112+512125+AT11 LOWER WING

PARAMETRIC DATA

MACH = .950 ELEVDA = .000  
RUDDER = .000 SPOBRK = .000

REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
AREP = 38.7030 INCHES YMRP = .0000 INCHES  
BREF = 38.7030 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHAD(1) = -0.050 BETAD(1) = -3.940

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/PM	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0793	.0980	.3050	.3454	.2107	.1014	.1391
.020				-1.1050	-.9532	-.7420	-.5853
.030				-.1861			
.040		.0992					
.048			-.1957				
.050	-.0084			-.0018	-.9545	-.7346	-.5878
.080				-.4352			
.085				-.1396			
.096		.1166					
.094	-.0201			-.3551	-.6597	-.7572	-.6103
.150		.1171					
.163			-.1095				
.177							
.229	.1029						
.246		-.0450		-.1716	-.0287	-.6812	-.6197
.250			-.0900				
.274							
.362	.1177	-.0322		.0042	-.0115		-.6106
.390			.0675				
.402				-.0793	-.1213		
.457	.0137		.0373				
.553							
.565							
.600							
.650							
.700	.1799			-.6453	-.2891		-.5032
.725				-.4514			
.750							
.760			-.6732	-.8501	-.6410		
.775				-.8645			
.808							
.834	-.6034			-.6059	-.8209	-.7372	
.850							
.857			-.7326				
.865	-.6978						
.903	-.6001			-.5667			-.6158
.905			-.4322				

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+712+512H25+AT11 LOWER WING (R01L37)

ALPHA(1) = -9.060 BETA(1) = -3.980

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .930  
 .933  
 .965  
 -.4078  
 -.5350  
 -.3840  
 .0000

ALPHA(2) = -8.050 BETA(2) = .040

SECTION (2) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
 .000  
 .0559  
 .020  
 .033  
 .040  
 .046  
 .050  
 .083  
 .085  
 .066  
 .094  
 .130  
 .163  
 .177  
 .229  
 .246  
 .250  
 .274  
 .362  
 .390  
 .400  
 .402  
 .497  
 .550  
 .565  
 .600  
 .650  
 .700  
 .725  
 .750  
 .760  
 .775  
 .800  
 .834  
 .850

.2346  
 .2480  
 -.1788  
 .1113  
 -.1957  
 .0169  
 .1113  
 .1015  
 -.1431  
 -.0614  
 -.1296  
 -.0719  
 -.0359  
 -.0650  
 -.0100  
 .0248  
 .0928  
 -.0719  
 -.0616  
 -.1259  
 -.0616  
 -.0772  
 -.1259  
 -.1913  
 -.0650  
 -.5521  
 -.5213  
 -.8339  
 -.5559  
 -.7933  
 -.7755  
 -.5856  
 -.5539  
 -.7659  
 -.6865  
 -.6480  
 -.6865  
 -.7677  
 -.8152  
 -.4796  
 -.4511  
 -.6987  
 -.7059



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 5

(181037)

ARC11-716 IAL4 DIOT12+512+25+AT11 LOWER WING

ALPHA(1) = -0.050 BETA(2) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW .8990 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

-.7709

.637

-.6391

.900

-.3305

.905

.950

.955

.965

-.6916

-.4793

-.4163

-.3704

-.4616

-.3131

.0000

ALPHA(1) = -0.070 BETA(3) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW .8990 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

-.7709

.090

-.1161

.1035

.2307

.1935

-.0061

-.1458

-.1339

.020

-.030

-.030

.040

.046

.050

.080

.085

.086

.094

.150

.163

.177

.229

.246

.250

.274

.362

.390

.400

.402

.487

.553

.565

.600

.650

.700

.725

.750

-.7562

-.9512

-.9512

-.8545

-.7562

-.6635

-.9402

-.8502

-.7536

-.4273

-.1223

-.3215

-.8060

-.9225

-.7819

-.1169

-.0366

-.2522

-.2276

-.9400

-.8373

-.1050

-.0833

-.2047

-.1571

-.8957

-.0990

-.2630

-.2603

-.2212

-.3933

-.2727

-.3526

-.6393

-.8104

-.4613

-.4631

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L37)

ARC11-716 1A14 010712+312425+AT11 LOWER WING

ALPHA( 1 ) = -0.070 BETA( 3 ) = 4.990

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.775					-.7633	-.7061		
.808				-.6431				
.834		-.4667						
.850					-.7563	-.4833	-.4490	
.857					-.5539			
.865		-.4853						
.900		-.4104			-.4622	-.3280	-.7478	
.905				-.4195				
.950					-.3340		.0000	
.955				-.2947				
.965		.3168						

ALPHA( 1 ) = -0.100 BETA( 4 ) = 0.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000		-.2375	.0342	.0977	.1506	-.0833	-.2472	-.2471
.020					-.8470	-.9121	-.8.21	-.8047
.030				-.0973				
.040			.0619					
.048				-.0991				
.050		-.1526			-.4581	-.8734	-.8390	-.8083
.080					-.3340			
.085				-.0911				
.086			.0565					
.094		-.1030						
.150			.0432		-.2279	-.5146	-.9130	-.8511
.163								
.177				-.0984				
.229		-.0047						
.246			-.0434					
.250					-.1857	-.2650	-.7897	-.8823
.274				-.1022				
.362		.0234						
.390			-.0727					
.400					-.2004	-.2647		-.8486
.402				-.1172				
.497		-.0318						
.550					-.3267	-.3593		
.565				-.2718				
.600								-.4430
.650							-.4743	



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(RB1-37)

ARC11-718 IAL14 01+712+512N25+AT111 LOWER WING

ALPHA (1) = -8.100 BETA (1) = 0.150

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.700	-.2825		-.5126	-.5784		
.725						-.6427	-.5172
.750			-.4212				
.760				-.6666	-.6443		
.775			-.5162				
.806							
.834	-.4331						
.850			-.4734	-.5578	-.6658	-.4671	
.857							
.868	-.4284						
.900	-.3633		-.3856				-.5526
.905			-.4178	-.2415			
.950			-.2735			.0000	
.955			-.3321				
.965	-.3370						

ALPHA (2) = -4.590 BETA (2) = -0.040

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	.0774	.1988	.4789	.5794	.5130	.4594
.020					-.3487	-.5510	-.5957
.030				.1068			-.7206
.040			.2174				
.048			.0359				
.050	.0281			-.2178	-.2138	-.4150	-.8176
.060				-.1359			
.065			.0423				
.086	.2222						
.114	-.0061						
.130			.2243		-.0281	-.0080	-.0712
.143							-.1261
.177			.0378				
.229	.1389						
.246		.0666					
.250					.0623	.0412	-.0000
.274			.1047				-.1136
.362	.1931						
.390		.1345					
.400					.1456	.0621	-.1134
.422							
.497	.1407						

DATE 11 JAN 79 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(481L37)

ARC11-716 1A14 01+712+512H25+AT11 LOWER WING

ALPHAO ( 2 ) = -4.000 BETA0 ( 1 ) = -0.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.550			.0224	-.0761			
.565		.1434					
.600						-.2918	
.630						-.3902	
.700	.2947			-.4255			
.725			-.5579				
.740						-.5166	-.5467
.760			-.6446				
.775			-.6036				
.806							
.834	-.6035			-.6196	-.8102	-.7603	
.850			-.5255				
.857							
.865	-.6959			-.4192			-.7601
.900	-.6955		-.4339	-.3561			
.905							
.950			-.4075			.0000	
.955			-.3714				
.965	-.3566						

ALPHAO ( 2 ) = -4.000 BETA0 ( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	.0506	.1090	.4216	.4928	.4039	.3372	.3646
.020				-.4675	-.7205	-.6607	-.7035
.030			.0541				
.040		.1099					
.046			-.0139				
.050	.0143			-.2811	-.3994	-.5644	-.6211
.060				-.2037			
.085			-.0075				
.086		.1024					
.094	-.0042						
.150				-.0912	-.0747	-.1346	-.2628
.165		.1914					
.177			.0022				
.220	.1806						
.246		.0450					
.250							
.274				.0197	-.0117	-.0512	-.1456
.362	.1656		.0462				







(891137)

ARC11-716 1A14 01+712+512N25+AT11 LOWER WING

ALPHA( 2 ) = -4.000 BETA( 3 ) = .010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW	.246	.3134				
.250			-.0932	-.0781	-.1004	-.2424
.274		-.0212				
.362	.1295					
.390		.0156				
.400			-.0045	-.0319		-.1825
.432			.0497			
.497	.0369					
.550			-.1023	-.1520		
.565			-.0155			
.600						
.650						
.700	.0387				-.3679	-.3502
.725				-.6414	-.5055	
.750					-.5993	-.5743
.760			-.5683			
.775				-.0074	-.6670	
.805			-.7489			
.834	-.4965			-.5964	-.5728	-.8005
.850						
.857			-.7313			
.865	-.5841			-.4944		-.8010
.900	-.9050				-.3434	
.905			-.3620			
.950				-.4836		.0000
.955			-.2816			
.965	-.3462					

ALPHA( 2 ) = -4.000 BETA( 4 ) = 4.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW	.000	.1462	.0974	.2885	.3396	.1097	.1011	.1340
.080					-.5078	-.0084	-.7650	-.0729
.030			.0379					
.040			.1275					
.048			-.0140					
.050	-.6883			-.3666	-.5847	-.7270	-.8056	
.060				-.2994				
.085			-.0263					
.086								
.094	-.0903		.1354					



DATE 11 JAN 73 TABULATED PRESSURE DATA - IAL14 - VOL. 5  
ARC11-716 IAL14 01+712+512N25+AT11 LOWER WING (R01L37)

ALPHAS( 2) = -4.090 BETA( 4) = 4.070								
SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP						
Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8570
.150								
.163	.1244							
.177								
.229	.0607							
.246	.0204							
.250								
.274								
.362	.0848							
.390								
.400								
.402								
.497	.0113							
.550								
.557								
.600								
.650								
.700								
.725								
.750								
.760								
.775								
.808								
.834								
.850								
.857								
.865								
.900								
.905								
.950								
.953								
.965								

ALPHA( 2) = -4.110		BETA( 5) = 0.110		DEPENDENT VARIABLE CP				
SECTION ( 1) LOWER WING								
Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8570
.000	.0227			.1327	.3020	.1269	.0109	.0243
.020					-4.584	-.8353	-.7598	-.6890
.030				.0365				
.040			.0521					
.048				.0075				
.050								
.057								

(R51L37)

ARC11-716 1A14 01+712+512N25+AT11 LOWER WING

ALFMA01 (2) = -4.110 BETA0 (5) = 0.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14A - VOL. 5  
 ARC11-715 IAL14 01+112+S12N25+AT11 LOWER WING (R01L37)

ALPHA( 3) = -.310 BETA( 1) = -.040

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

1/9W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0113	.1954	.5134	.6717	.6340	.5943	.5896
.020			.2976	.0276	.0061	-.0302	-.0725
.030		.2832					
.040			.1976				
.048				.0459	.0237	.0003	-.0677
.050	.0335			.0515			
.080			.1750				
.085							
.086		.2953					
.094	.0290			.1061	.1362	.0812	.0039
.150		.3060					
.163			.1619				
.177							
.229	.1785						
.246		.1752		.1565	.1250	.0848	-.0501
.250			.1902				
.274							
.362	.2541	.2085					
.390			.2493	.1961	.1032		-.0704
.400				.0472	-.0569		
.402	.2151		.1670				-.2701
.497					-.2876		
.550					-.4232		
.565							
.600							
.650							
.700	.3255			-.5181			
.725							
.750							
.760							
.775							
.808							
.834	-.6199						
.850							
.857							
.865	-.6931						
.900	-.6650						
.905							
.950							
.953							
.965	-.3292						

ARC11-716 1A14 01+T12+S12N25+AT11 LOWER WING

ALPHAO ( 3 ) = -.329 BETA0 ( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CP

Y/W	.2990	.3840	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0259	.1697	.4704	.6963	.5945	.5135	.5196
.020				-.0596	-.1101	-.1467	-.1813
.030			.2368				
.040		.2446					
.046			.1357				
.050	.0137			-.0181	-.0621	-.0775	-.1410
.060			.1169		-.0087		
.065							
.066		.2554					
.094	.0170			.0494	.0832	.0481	-.0374
.150		.2628					
.163			.1063				
.177	.1503						
.229		.1223					
.246				.1150	.0862	.0484	-.0816
.250			.1323				
.274	.2163						
.362		.1530					
.390				.1665	.0761		-.1007
.400			.1964				
.402							
.497	.1805			.0349	-.0798		-.3041
.550			.1267				
.565							
.600							
.650							
.700	.2581			-.5144	-.4553		
.725							
.750							
.760							
.775							
.808							
.834							
.850	-.6102						
.857							
.865							
.900	-.6713						
.905	-.6450						
.925							
.950							
.953							
.965							





(R81L37)

ARC11-716 1A14 01-712-312N25-AT11 LOWER WING

ALPHA( 3 ) = -.380 BETA( 4 ) = 4.090

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
V/W	.2990	.3640	.4270	.5340 .6730 .7800 .8870
X/CW				
.003	-.1711	.0566	.2715	.4492 .3643 .3120 .3345
.020				-.1832 -.2849 -.3517 -.4037
.030			.1703	
.040		.1082		
.048			.1098	
.050	-.0482		-.1237	-.1943 -.2480 -.2991
.060			-.1199	
.085		.0768		
.086		.1513		
.094	-.0146			
.150			-.0780	-.0472 -.0883 -.1668
.163		.1685		
.177		.0433		
.229	.0822			
.240		.0792		
.250			-.0579	-.0560 -.0731 -.1896
.274		.0376		
.362	.1189			
.393		.0327		
.400			-.0680	-.0611 -.1983
.402		.0160		
.497	.0676			
.550			-.2131	-.2021
.565			-.1270	
.600				-.3996
.650	-.1038		-.5436	-.4138
.700			-.3976	
.725				-.6444 -.6415
.750				
.760		-.4314		
.775			-.7208	-.6837
.808		-.5810		
.834	-.4515			
.850			-.7477	-.7766 -.4907
.857		-.4864		
.865	-.4772			
.900	-.4032		-.4674	-.3145
.905		-.3700	-.3489	
.950		-.3901		.0000
.953		-.2424		
.965	-.2765			





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

ARC11-716 IAL14 OL+Y12+512N25+AT11 LOWER WING (881L37)

ALPHA(3) = -.330 BETAD (5) = 8.130

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3600	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3695	-.0116	.0931	.2647	.3116	.2315	.2407
.020				-.0177	-.2947	-.3955	-.5029
.030			.0920				
.040		.0240					
.048			.0675				
.050	-.2223			.0088	-.1660	-.2998	-.4055
.080			.0600	.0029			
.085							
.086		.0633					
.094	-.1273			.0074	-.0610	-.1270	-.2340
.150		.0924					
.163			.0409				
.177							
.229	.0148						
.246		.0446					
.250				-.0058	-.0947	-.1206	-.2483
.274		.0224					
.362	.0776	.0291					
.390				-.0563	-.1405		-.2437
.400			-.0122				
.402				-.1984	-.2855		
.497	.0356		-.1729				-.4291
.550							
.565							
.600							
.650							
.700	-.1799						
.725			-.4255				
.750				-.4801			
.760			-.4261				
.775			-.5766	-.6258			
.775			-.5565				
.778							
.834	-.4833						
.850				-.4845	-.5859	-.7598	
.857			-.4665				
.864	-.4884						
.900	-.4016			-.3402			-.3524
.905			-.3679	-.2096			
.930				-.2114			.0000
.933			-.2688				
.985	-.2747						

(R81L37)

ARC11-716 IAI4 OI+112+S12N25+AT11 LOWER WING

ALPHA(4) = 4.030 BETA(1) = -0.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0769	.1124	.4848	.6809	.6462	.5798	.5373
.020				.3422	.3494	.3613	.3324
.030			.4534				
.040		.3163					
.048			.3402				
.050	.0184			.2767	.2808	.2705	.2096
.080				.2477			
.085			.2983				
.086		.3633					
.094	.0537			.2515	.2628	.2223	.1376
.150		.3853					
.163			.2372				
.177							
.229	.2212			.2602	.2112	.1759	.0595
.246		.2643					
.250			.2672				
.274							
.362	.3126	.2718					
.390				.2530	.1490		-.0214
.402		.2924					
.497	.2684		.1807	.0888	-.0280		
.550							
.565							
.600							
.650							
.700	.3601			-.4228			
.725				-.4451			
.750							
.760							
.775							
.808							
.834	-.6095						
.850							
.857							
.865	-.6789						
.900	-.7059						
.925							
.950							
.953							
.965	-.3440						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 5

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ARC11-716 IA14 01+Y12+S12N23+AT11 LOWER WING

(RB1L37)

ALPHA(4) = 4.030 BETA(2) = -4.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.020	-.1536	.0681	.4. 9	.6347	.5870	.5176	.4777
.025				.2515	.2461	.2689	.2528
.030			.3970				
.040		.2617					
.048			.2886				
.050	.0237			.1974	.1958	.1906	.1390
.080				.1701			
.085			.2400				
.085		.3134					
.094	.0389						
.150				.1819	.2044	.1637	.0818
.163		.3402					
.177			.1990				
.229	.1834						
.246		.2039		.1948	.1523	.1261	.0593
.250							
.274			.2046				
.362	.2600						
.393		.2154		.2000	.1018		-.0750
.402			.2313				
.497	.2160			.0451	-.0723		
.550							
.565		.1234					
.600							
.650							
.700	.2521						
.725							
.750							
.760							
.775							
.808							
.834	-.5843						
.850							
.857							
.865	-.6379						
.900	-.9848						
.905							
.930							
.933							
.965	-.3258						

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L37)

ARC11-716 1A14 01+Y12+S12N25+Y11 LOWER WING

$$\text{ALPHA}(4) = 4.029 \quad \text{BETA}(3) = .039$$

SECTION 111, MCILCS

DEPENDENT VARIABLE CP

1/8	.2990	.3640	.4270	.5340	.6730	.7620	.8870
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MS/X

[illegible]

(R01L37)

ARC11-716 IAI4 01+T12+SIZE25+AT11 LOWER WING

DATE 11 JAN 75

ALPHA(4) = 4.020 BETA(4) = 4.100

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
X/CW	
.000	.000
.020	.020
.030	.030
.040	.040
.050	.050
.060	.060
.070	.070
.080	.080
.090	.090
.100	.100
.110	.110
.120	.120
.130	.130
.140	.140
.150	.150
.160	.160
.170	.170
.180	.180
.190	.190
.200	.200
.210	.210
.220	.220
.230	.230
.240	.240
.250	.250
.260	.260
.270	.270
.280	.280
.290	.290
.300	.300
.310	.310
.320	.320
.330	.330
.340	.340
.350	.350
.360	.360
.370	.370
.380	.380
.390	.390
.400	.400
.410	.410
.420	.420
.430	.430
.440	.440
.450	.450
.460	.460
.470	.470
.480	.480
.490	.490
.500	.500
.510	.510
.520	.520
.530	.530
.540	.540
.550	.550
.560	.560
.570	.570
.580	.580
.590	.590
.600	.600
.610	.610
.620	.620
.630	.630
.640	.640
.650	.650
.660	.660
.670	.670
.680	.680
.690	.690
.700	.700
.710	.710
.720	.720
.730	.730
.740	.740
.750	.750
.760	.760
.770	.770
.780	.780
.790	.790
.800	.800
.810	.810
.820	.820
.830	.830
.840	.840
.850	.850
.860	.860
.870	.870
.880	.880
.890	.890
.900	.900
.910	.910
.920	.920
.930	.930
.940	.940
.950	.950
.960	.960
.970	.970
.980	.980
.990	.990
1.000	1.000

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(081137)

ARC11-716 1A14 01+712+512+23+AT11 LOWER WING

ALPHA( 5 ) = 7.940 BETA( 1 ) = -8.030

SECTION ( 1 ) LOWER WING DEFENDENT VARIABLE CF

r/bw	.2090	.3640	.4270	.5340	.6730	.7800	.8870
x/cw							
.000	-.1065	-.0207	.4255	.6435	.5768	.4771	.4069
.020				.4936	.5395	.5657	.5225
.030			.5187				
.040		.3091					
.048			.4061				
.050	.0318		.3832	.4326	.4337	.3722	
.060			.3230				
.085			.3469				
.086		.3829					
.094	.0390						
.150			.2910	.3433	.3196	.2385	
.163		.4024					
.177			.2790				
.228	.2290						
.246		.2676					
.250			.2614	.2541	.2361	.1755	
.274		.2659					
.362	.3067	.2679					
.390			.2227	.1605		.0193	
.400							
.402		.2662					
.497	.2686		.0433	-.0239			
.550		.1425					
.565							
.600							
.650							
.700	.3105						
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

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(RB1L37)

ARC11-716 1A14 01+712+512N25+AT11 LOWER WING

ALPHA(1) = 7.940 BETA(2) = -4.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2465	-.0893	.3930	.5950	.9203	.4237	.3493
.020				.4058	.4566	.4964	.4620
.030			.4606				
.040		.8435					
.048			.3473				
.050	-.0027			.3088	.3668	.3715	.3239
.080			.2929	.2371			
.085							
.086		.3325					
.094	.0458						
.150				.2331	.3008	.2745	.1328
.163		.3636					
.177			.2396				
.229	.1967						
.246		.2358		.2119	.2163	.2020	.0851
.250			.2337				
.274	.2774						
.352		.2361					
.390				.1805	.1369		-.0206
.400			.2309				
.402	.2256			.0062	-.0451		
.497			.1029				
.550						-.2656	
.565							-.2433
.600							
.650							
.700	.2233			-.5176			
.725							
.750						-.5268	-.4845
.760			-.6065				
.775				-.6757	-.5404		
.808			-.8020				
.834	-.5599						
.850				-.9325	-.7295	-.6907	
.857			-.6560				
.865	-.6088						
.900	-.5617			-.5006			-.7292
.905			-.4378		-.4371		
.950				-.4161		.0000	
.955			-.3180				
.965	-.3417						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881137)

ARC11-716 1A14 OL+T12+S12N25+AT11 LOWER WING

ALPHA( S) = 7.940 BETA( S) = .040

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	-.3378	-.1670	.3149	.5710	.4785	.3644
	.020			.2927	.3669	.4219	.3869
	.030		.3916				
	.040		.1675				
	.048		.2933				
	.050	-.0302		.2087	.2917	.3077	.2617
	.080			.1677			
	.085		.2435				
	.086		.2711				
	.094	.0172					
	.150			.1492	.2389	.2223	.1419
	.163		.3085				
	.177		.1896				
	.229	.1332					
	.246		.1884				
	.250			.1385	.1664	.1600	.0404
	.274		.1801				
	.362	.2284					
	.390		.1884				
	.400			.1149	.0973		.0611
	.402		.1740				
	.497	.1780					
	.550			-.0486	-.0774		
	.565		.0526				
	.600						
	.650						
	.700	.1179					
	.725			-.5949	-.4626		
	.750						
	.760			-.5637	-.7577	-.5840	
	.775						
	.808			-.6992			
	.834	-.5042					
	.850			-.9808	-.7828	-.7332	
	.857						
	.865	-.5887		-.6951			
	.900	-.5168		-.5394			
	.905			-.4286	-.3955		
	.950			-.4526		.0000	
	.955			-.8709			
	.965	-.3305					

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(R81L37)

ARC11-716 1A14 01+12+512N25+AT11 LOWER WING

ALPHA( 5) = 7.930 BETA( 4) = 4.110

SECTION ( 1) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.8990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4454	-.1670	.1106	.4563	.4584	.3330	.2376
.020				.2067	.2681	.3322	.3227
.030			.2424				
.040		.0225					
.048			.2095				
.050	-.1061			.1327	.1941	.2266	.2025
.080				.0913			
.085			.1818				
.086		.1403					
.094	-.0258						
.150				.0743	.1616	.1634	.0983
.163		.1987					
.177			.1391				
.229	.0980						
.246		.1493					
.250				.0948	.0935	.1062	-.0094
.274		.1199					
.362	.1341						
.390		.1211					
.400			.0852	.0148	.0320		-.1007
.402	.1244						
.497				-.1494	-.1316		
.550			-.0725				
.565							
.600							
.650							
.700	-.0487						
.725				-.5772			
.750							
.760			-.4341				
.775				-.6831	-.6298		
.808			-.5914				
.834	-.4550						
.850				-.8470	-.8047	-.7714	
.857			-.5223				
.865	-.4844						
.900	-.4176			-.9436			-.8020
.925			-.3731		-.3855		
.950				-.3299		.0000	
.953			-.2598				
.965	-.8909						



(881L37)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+712+312N25+AT11 LOWER WING

DATE 11 JAN 75

ALPHA (  $\beta$  ) = 7.920 BETA (  $\beta$  ) = 0.180

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CF

Y/W .2990 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4233	-.0894	-.0729	.1634	.4223	.3256	.2233
.020				.2414	.2167	.2664	.2567
.030			.1109				
.040		-.0282					
.048			.1208				
.050	-.1902			.2055	.1510	.1676	.1471
.060				.1039			
.085			.1412				
.086		.0562					
.094	-.0956						
.150				.1552	.1187	.1137	.0554
.163		.1274					
.177		.1324					
.229	.0415						
.246		.1110		.1301	.0499	.0626	-.0401
.250							
.274		.1083					
.362	.1184						
.390		.1110		.0759	-.0204		-.1292
.400							
.402		.0656					
.497	.1085						
.550				-.0659	-.1778		
.565							
.620				-.1024			
.650							
.700	-.1167						
.725				-.3403			
.750							
.760							
.775				-.4087			
.808				-.5343			
.834	-.4275						
.850							
.857				-.4603	-.7813	-.7817	
.865							
.900	-.4317						
.920	-.5329			-.2925			
.935				-.5521	-.3169		
.950					-.1508		.0000
.953				-.2595			
.965	-.2510						

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OF POOR QUALITY

(RBIL38) ( 15 FEB 74 )

ARC11-716 IAI14 01+112+312N25+AT11 LOWER WING

## REFERENCE DATA

SREF = 2.4210 SQ. FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

ALPHA(1) = -8.080 BETA(1) = -8.020

## PARAMETRIC DATA

MACH = 1.050 ELEVON = .000  
 RUDDER = .000 SPDRK = .000

## SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1690	-.0654	.4227	.5231	.4312	.3512	.3683
.020				-.4592	-.8591	-.8310	-.5431
.030				-.0573			
.040		.1043					
.048			-.0849				
.050	-.2931			-.7396	-.8405	-.7924	-.5256
.060				-.3109			
.085			-.0504				
.086		.1427					
.094	-.2480			-.2307	-.3043	-.6163	-.5342
.150		.1805					
.163			-.0015				
.177							
.229	.0312						
.246		.0185		-.1834	-.0236	-.3719	-.5178
.250			-.0151				
.274							
.362	.1660						
.390		.0399					
.400			.1816		.1444	.1245	-.4269
.402							
.497	.0887				.0932	.0465	
.550			.2125				
.565							
.600							
.650							
.700	.3276				-.2587	-.1312	
.725					-.4165		
.750							
.760			-.4687				
.775				-.5907	-.4234		
.808			-.7177				
.834	-.8090						
.850				-.8359	-.5981	-.5229	
.857			-.7790				
.865	-.6503						
.900	-.7553			-.9018			-.4524
.905			-.4629				
							-.7778





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5

(RBIL38)

ARC11-716 IAI14 01+712+512M25+AT11 LOWER WING

ALPHAO ( 1 ) = -0.070 BETA0 ( 2 ) = -4.980

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.857							
.865							
.900							
.935							
.950							
.953							
.965							

ALPHAO ( 1 ) = -0.060 BETA0 ( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.060							
.065							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2061

ARC11-716 1A14 01+T12+S12N29+AT11 LOWER WING

(R01L30)

ALPHA( 1 ) = -0.000 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.3340 .6730 .7800 .8870
.775			
.808			
.834			
.850			
.857			
.865			
.900			
.905			
.930			
.933			
.965			

ALPHA( 1 ) = -0.070 BETA( 4 ) = 4.120

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.2990	.3640	.4270	.3340 .6730 .7800 .8870
.775			
.808			
.834			
.850			
.857			
.865			
.900			
.905			
.930			
.933			
.965			

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L38)

ARC11-716 1A14 01-112-312N25-AT11 LOWER WING

ALPHA(1) = -8.070 BETA(4) = 4.120

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.11420			-.4499	-.4169		
.725						-.4253	-.2379
.750							
.760				-.4286			
.775					-.5495	-.5389	
.808				-.5830			
.834					-.6867	-.6591	-.6021
.850							
.857				-.5833			
.865							
.900				-.4157			-.5533
.925				-.4230	-.2967		
.950				-.2993		.0000	
.953				-.2770			
.965				-.3223			

ALPHA(1) = -8.100 BETA(5) = 8.160

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.500	-.3232	-.0454	.0771	.1775	-.0024	-.1253	-.1293
.520				-.7004	-.7441	-.6593	-.6390
.530							
.540		-.0020	-.0729				
.548				-.0715			
.550	-.2253			-.4045	-.7250	-.6630	-.6450
.580					-.2571		
.585				-.0684			
.586		.0121					
.594	-.2088						
.150							
.163		.0291		-.1371	-.5852	-.7402	-.6763
.177			-.0599				
.229	-.1060						
.246		-.0340					
.250							
.274				-.0916	-.1502	-.7284	-.7207
.362	-.0061		-.0441				
.390		-.0272					
.400				-.0997	-.1373		-.7134
.402				-.0331			
.497	-.0192						





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14A - VOL. 5

(081L38)

ARC11-716 IAL14 OL+T12+S12N23+AT11 LOWER WING

ALPHA( 1 ) = -0.100 BETA( 5 ) = 0.160

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.950				-.2183	-.2502		
.965			-.2021				-.4102
.980						-.3402	
.995					-.4844		
.700	-.2319				-.4486		
.725						-.4968	-.3266
.750							
.760				-.4364	-.5277	-.5519	
.775				-.5345			
.808							
.834	-.1402				-.5942	-.6543	-.6304
.850					-.5089		
.865	-.4784						
.900	-.3979			-.3732	-.2561		-.6126
.905				-.4385	-.2508		.0000
.950							
.953				-.3110			
.965	-.3235						

ALPHA( 2 ) = -4.000 BETA( 1 ) = -8.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.900	-.1109	.1155	.5082	.6361	.5721	.5289	.5616
.920				-.2338	-.4943	-.4575	-.5371
.930			.1750				
.940		.1985					
.948			.0938				
.950	-.2700			-.1487	-.3343	-.3805	-.4455
.960				-.0887			
.985			.0893				
.986		.2213					
.994	-.2429						
.150		.2563		.0111	.0741	.0306	-.0017
.163							
.177			.0927				
.229	.0707						
.246		.1120					
.249				.1355	.1395	.1039	.0269
.274							
.362	.2196			.1433			

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(RB1L38)

ARC11-716 IA14 01+712+S12N23+AT11 LOWER WING

ALPHA(1 2) = -4.000 BETA(1 1) = -0.040

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.390		.1729		.2450	.1807		.0235
.400			.2679				
.402							
.497	.1825			.1557	.0674		
.550			.2506				
.565							
.600							
.650							
.700	.3013						
.725							
.750							
.775							
.800							
.834							
.850							
.857							
.855							
.900							
.905							
.965							

ALPHA(1 2) = -4.000 BETA(1 2) = -4.020

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.390		.0197	.4570	.5600	.4701	.4115	.4588
.400							
.402							
.497			.1347				
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.775							
.800							
.834							
.850							
.857							
.855							
.900							
.905							
.965							



(R81L33)

ARC11-716 1A14 Q1+T12+S12N25+AT11 LOWER WING

ALFAC ( 2 ) = -4.093      BEYAC ( 2 ) = -4.329

SECTION : 11068 WING

	.2993	.3640	.4273	.5340	.6733	.7833	.8870
--	-------	-------	-------	-------	-------	-------	-------

[illegible]

ALFMAO( 2) = -4.099 BETAO( 3) = .340

SECTION (1) - WING

[illegible][illegible]



DATE 11 JAN 78  
TABULATED PRESSURE DATA - 1A14A - VOL. 5

281L30)

ARC11-716 1A14 01-712-912-25-AT11 LOWER WING

0807 2 (2) CY135 000-4- 2 (2) CVM27A

[illegible]

	.8992	.3640	.4270	.6730	.7800	.0670
--	-------	-------	-------	-------	-------	-------

FD-36

- .1695

5405

1219

-1473

1015

526.

2795.

**9263**

iii

1165

501

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2552

5135

1944

4  
5  
6  
7

**3505**

(RB1L38)

ARC11-716 1A14 01-712+512N25+AT11 LOWER WING

ALPHA(2) = -4.100 BETA(5) = 8.120

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2900	.3640	.4270
.2900	.3640	.5340
.2900	.3640	.6730
.2900	.3640	.7800
.2900	.3640	.8870
.2900	.3640	.9870
.2900	.3640	.1117
.2900	.3640	.2850
.2900	.3640	.2066
.2900	.3640	.1110
.2900	.3640	.1279
.2900	.3640	-.2900
.2900	.3640	-.6874
.2900	.3640	-.5892
.2900	.3640	-.5493
.2900	.3640	.0460
.2900	.3640	-.0133
.2900	.3640	.0157
.2900	.3640	-.1118
.2900	.3640	-.5065
.2900	.3640	-.5816
.2900	.3640	-.5540
.2900	.3640	-.0826
.2900	.3640	.0120
.2900	.3640	.0198
.2900	.3640	-.2161
.2900	.3640	.0994
.2900	.3640	.1500
.2900	.3640	.1630
.2900	.3640	.1770
.2900	.3640	.2290
.2900	.3640	-.0795
.2900	.3640	.0026
.2900	.3640	.0542
.2900	.3640	.0128
.2900	.3640	-.0194
.2900	.3640	-.0981
.2900	.3640	-.1012
.2900	.3640	-.3967
.2900	.3640	.0120
.2900	.3640	.0195
.2900	.3640	-.0478
.2900	.3640	-.0984
.2900	.3640	-.1287
.2900	.3640	-.0081
.2900	.3640	-.1713
.2900	.3640	-.2030
.2900	.3640	-.1539
.2900	.3640	-.2580
.2900	.3640	-.3171
.2900	.3640	-.4305
.2900	.3640	-.4020
.2900	.3640	-.4872
.2900	.3640	-.4554
.2900	.3640	-.4035
.2900	.3640	-.4898
.2900	.3640	-.4979
.2900	.3640	-.5287
.2900	.3640	-.6013
.2900	.3640	-.6208
.2900	.3640	-.6160
.2900	.3640	-.5000
.2900	.3640	-.3740
.2900	.3640	-.2642
.2900	.3640	-.6491
.2900	.3640	-.5361
.2900	.3640	-.2279
.2900	.3640	.0000
.2900	.3640	-.2667
.2900	.3640	-.2751



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L30)

ARC11-716 1A14 01-112+512H25+AT11 LOWER WING

ALPHAD( 3) = -.310 BETAD ( 1) = -8.040

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.0417	.0798	.5369	.7241	.6955	.6625	.6691
.020			.1254	.1024	.0764	.0563	
.030		.3596					
.040		.2565					
.048			.2591				
.050	-.0506		.1263	.1110	.1035	.0604	
.060			.1264				
.065		.2316					
.066		.3004					
.094	-.2023						
.150			.1802	.2280	.1890	.1245	
.163		.3448					
.177			.2172				
.229	.1072						
.246		.2204					
.250			.2469	.2327	.2335	.0846	
.274		.2541					
.362	.2015	.2695					
.390			.3047	.2272		.0744	
.400							
.402		.3342					
.497	.2663						
.550			.1883	.0887			
.565		.2619					
.600							
.650							
.700	.4175						
.725			-.3112				
.750							
.760		-.4326					
.775			-.4699	-.3817			
.808		-.6834					
.834	-.3784						
.851			-.7272	-.5763	-.5277		
.857		-.7898					
.865	-.6361						
.900	-.7329		-.7787	-.7745			
.935		-.4626					
.950			-.4528				
.953		-.4189					
.963	-.4046						

-.1124

-.1248

-.2591

-.3112

-.4326

-.6834

-.3784

-.7898

-.6361

-.7329

-.4626

-.4528

-.4189

-.4046

-.5530

-.7745

-.5277

-.3817

-.3112

-.2591

-.1248

-.1124

-.0846

-.0744

-.0604

(RB1L30)

ARC11-716 IA14 01+T12+S12N23+AT11 LOWER WING

ALPHA( 3 ) = -.325 BETAD ( 2 ) = -4.010

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
Y/BW		.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.000	-.1345	.0212	.4920	.6376	.6140 .5805 .5973
.020				.0084	-.0195 -.0408 -.0401
.030			.3113		
.040		.2094			
.048			.2097		
.050	-.1701			.0231	.0196 .0244 -.0052
.060				.0284	
.085			.1790		
.086		.2605			
.094	-.2440				
.150				.0902	.1732 .1566 .0821
.163		.3035			
.177			.1610		
.223	.0540				
.246		.1697			
.250				.1678	.1867 .1647 .0511
.274		.1940			
.362	.2389				
.390		.2135			
.400			.2754	.2397	.1942 .0373
.402					
.497	.2087				
.550			.1320	.0613	
.565		.2351			
.600					-.1479
.650				-.1566	
.700	.3351			-.2868	
.725				-.3839	
.750					-.3814 -.3536
.760		-.4573			
.775			-.6926	-.5520	-.4158
.808					
.834	-.5590			-.0131	-.6062 -.5572
.850			-.7603		
.857					
.865	-.8025				
.900	-.6905			-.6122	-.5832
.905		-.4475		-.6821	
.950				-.5211	.0000
.953		-.4531			
.965	-.3763				





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881L38)

ARC11-716 1A14 01+112+512N25+AT11 LOWER WING

ALPHAC (3) = -.330 BETA (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.2334 .0131 .4239 .5671 .5102 .4783 .5132

.020 .030 .040 .050 .060 .085 .094

.150 .163 .177 .229 .246 .250 .274

.362 .390 .400 .402 .497 .550 .565

.600 .650 .700 .725 .750 .760 .775

.808 .834 .850 .857 .865 .900 .905

.930 .933 .953 .965

.000 .020 .030 .040 .050 .060 .070

.080 .090 .100 .110 .120 .130 .140

.150 .160 .170 .180 .190 .200 .210

.220 .230 .240 .250 .260 .270 .280

.290 .300 .310 .320 .330 .340 .350

.360 .370 .380 .390 .400 .410 .420

.430 .440 .450 .460 .470 .480 .490

.500 .510 .520 .530 .540 .550 .560

.570 .580 .590 .600 .610 .620 .630

.640 .650 .660 .670 .680 .690 .700

.710 .720 .730 .740 .750 .760 .770

.780 .790 .800 .810 .820 .830 .840

.850 .860 .870 .880 .890 .900 .910

.920 .930 .940 .950 .960 .970 .980

.990 1.000

.000 .010 .020 .030 .040 .050 .060

.070 .080 .090 .100 .110 .120 .130

.140 .150 .160 .170 .180 .190 .200

.210 .220 .230 .240 .250 .260 .270

.280 .290 .300 .310 .320 .330 .340

.350 .360 .370 .380 .390 .400 .410

.420 .430 .440 .450 .460 .470 .480

.490 .500 .510 .520 .530 .540 .550

.560 .570 .580 .590 .600 .610 .620

.630 .640 .650 .660 .670 .680 .690

.700 .710 .720 .730 .740 .750 .760

.770 .780 .790 .800 .810 .820 .830

.840 .850 .860 .870 .880 .890 .900

.910 .920 .930 .940 .950 .960 .970

.980 .990 1.000

.000 .010 .020 .030 .040 .050 .060

.070 .080 .090 .100 .110 .120 .130

.140 .150 .160 .170 .180 .190 .200

.210 .220 .230 .240 .250 .260 .270

.280 .290 .300 .310 .320 .330 .340

.350 .360 .370 .380 .390 .400 .410

.420 .430 .440 .450 .460 .470 .480

.490 .500 .510 .520 .530 .540 .550

.560 .570 .580 .590 .600 .610 .620

.630 .640 .650 .660 .670 .680 .690

.700 .710 .720 .730 .740 .750 .760

.770 .780 .790 .800 .810 .820 .830

(R01L30)

ARC11-716 1A14 01+712+312N25+AT11 LOWER WING

ALPHA(3) = -.320 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5540	.6730	.7800	.8870
X/CW							
.000	-.4030	-.0502	.8761	.4907	.4136	.3811	.4243
.020				-.1016	-.2125	-.2564	-.2784
.030			.2053				
.040		.0436					
.046			.1278				
.050	-.2633			-.0650	-.1434	-.1527	-.1719
.060				-.0581			
.085			.0953				
.085		.1201					
.094	-.1551						
.140				-.0259	.0149	-.0019	-.0490
.163		.1604					
.177			.0727				
.229	.0166						
.246		.0782		.0116	.0238	.0454	-.0548
.250			.0729				
.274							
.362	.1012						
.390		.0824					
.400			.0664	.0164	.0453		-.0551
.402							
.497	.0861			-.1045	-.0751		
.550			-.0578				
.565							-.2349
.600					-.2528		
.650				-.4974	-.3893		
.700	-.0555					-.4603	-.4444
.725							
.750			-.4028	-.5929	-.5256		
.760							
.775			-.5660				
.808							
.834	-.4533			-.7555	-.6859	-.6375	
.850			-.5834				
.857							
.865	-.5056						-.6612
.900	-.4523		-.6277				
.905			-.4361	-.3383			
.950			-.3679		.0000		
.953			-.2612				
.965	-.2963						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 5

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(RBIL36)

ARC11-716 IAI4 01+712+512N25+AT11 LOWER WING

ALPHA( 3 ) = -.330 BETAD ( 5 ) = 0.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8670

X/CW

.000	-.6072	-.0630	.0917	.2575	.3811	.3125	.3385
.020				-.0121	-.2113	-.2948	-.3959
.030			.0918				
.040		-.0227					
.048			.0687	.0087	-.1032	-.2042	-.2999
.050	-.3255			.0115			
.080			.0695				
.085							
.086		.0301					
.094	-.2026			.0198	.0093	-.0471	-.1075
.150		.0812					
.163			.0690				
.177							
.229	-.0430						
.246		.0469		.0096	-.0114	-.0203	-.1229
.250			.0666				
.274							
.362	.0616	.0699					
.390				-.0361	-.0502		-.1169
.400			.0451				
.402	.0569						
.497				-.1763	-.1827		
.550			-.1114				
.565							-.2818
.600							
.650							
.700	-.1224			-.4372	-.3852	-.3127	
.725							-.4837
.750			-.3976				
.760				-.5327	-.4945		
.775			-.5279				
.808							
.834	-.4421						
.850				-.6679	-.6123	-.6187	
.857			-.5020				
.865	-.9002						-.6720
.900	-.4103			-.4164			
.905			-.3754	-.2694			
.950				-.2637			.0000
.953			-.2483				
.965	-.2618						

(881L30)

ARC11-716 IA14 01+712+S12+25+AT11 LOWER WING

ALPMAO( 4) = 4.020 BETA0 ( 1) = -8.050

SECTION ( 1) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0276	-.0484	.5080	.7230	.7032	.8493	.6150
.020				.4385	.4635	.4829	.4351
.030			.5236				
.040		.2839					
.048			.4197				
.050	-.0370			.3663	.3906	.3886	.3385
.060				.3349			
.065			.3775				
.085		.3788					
.094	-.0150			.3344	.3722	.3424	.2656
.150							
.163		.4391					
.177			.3434				
.229	.1529						
.246		.3234					
.250				.3467	.3261	.3014	.1946
.274			.3552				
.352	.3572						
.390		.3589					
.400				.3586	.2776		.1152
.402			.3966				
.497	.3572			.2124	.1197		
.550			.3127				
.565							-.0796
.600							
.650							
.700	.4681			-.2952	-.2447		-.1005
.725							
.750							
.760							
.775							
.808							
.834		.3862					
.850							
.857							
.865							
.900							
.925							
.950							
.955							
.965							



DATE 11 JAN 79 TABULATED PRESSURE DATA - TAIL 4A - VOL. 5

(RBIL36)

ARC11-716 TAIL 4A D1+T12+S12N25+AT11 LOWER WING

ALPHA( 4) = 4.020 BETA( 2) = -4.020

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

X/CW Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1377	-.0903	.4712	.6922	.6543	.5933	.5603
.020				.3209	.3525	.3825	.3783
.030			.4671				
.040		.2370					
.048			.3590				
.050	-.1116		.2566	.2941	.3056	.2727	
.080			.2270				
.085		.3090					
.086		.3366					
.094	-.0865						
.150			.2379	.3026	.2800	.2120	
.163		.3890					
.177			.2688				
.229	.1090						
.246		.2598		.2602	.2657	.2496	.1450
.250			.2822				
.274				.2837	.2296		.0705
.362	.3050	.2860	.3219				
.390				.1471	.0791		
.400			.2496				
.402							
.497	.2752						
.550							
.565							
.600							
.650							
.700	.3659			-.3700	-.2830		
.725							
.750							
.760							
.775							
.808							
.834	-.5337						
.850							
.897							
.895	-.5942						
.900	-.6813						
.905							
.950							
.957							
.953							
.965	-.3627						

-.1255 -.1394 -.3677 -.3407 -.6892 -.6783 -.7996 -.5911 -.5496 -.6342 -.7099 -.4680 -.4179

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L30)

ARC11-716 1A14 01+T12+512N23+AT11 LOWER WING

ALPHA(4) = 4.020 BETA(3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2734	-.1181	.3858	.6123	.5857	.5288	.5092	
.020			.3976	.2453	.2458	.2809	.2851	
.030		.1463						
.040			.2919					
.048								
.050	-.1868			.1920	.2041	.2224	.2026	
.080				.1599				
.085			.2451					
.086		.2565						
.094	-.1501			.1774	.2248	.2178	.1560	
.150		.3142						
.163			.1949					
.177								
.223	.0997							
.245		.1936						
.250			.1996	.1870	.1997	.1969	.0962	
.274								
.362	.2301	.2004						
.390								
.400			.2234	.2112	.1789		.0309	
.402								
.497	.1973		.1374	.0960	.0387			
.550								
.563								
.600								
.650								
.700	.1723			-.3842	-.3222	-.1751	-.1660	
.725								
.750								
.760								
.775				-.4910	-.5387	-.4413		
.808				-.6910				
.834	-.3018							
.850								
.857				-.7013	-.7737	-.6296	-.3799	
.865	-.3509							
.900	-.5621							
.905				-.4394	-.4610	-.4576	-.6096	
.950								
.953				-.4240			.0000	
.965	-.3409			-.4075				



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(R01L38)

ARC11-716 1A14 01+12+512+25+AT11 LOWER WING

ALPHA( 4 ) = 4.010 BETA( 4 ) = 4.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/SW .8990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4533	-.1451	.1037	.4931	.5026	.4551	.4505
.020				.1799	.1655	.1900	.2077
.030		.0164					
.040			.1904				
.048	-.2277			.1446	.1259	.1430	.1286
.050				.1246			
.060			.1722				
.065		.1363					
.094	-.1517			.1295	.1417	.1462	.0895
.150		.1933					
.163			.1468				
.177	.0572						
.229		.1392		.1243	.1181	.1308	.0402
.246			.1361				
.250							
.274	.1451						
.362		.1353		.1016	.0898		-.0210
.390			.1146				
.400							
.402	.1394			-.0223	-.0465		
.497							
.550				-.0226			
.563							
.600							
.650							
.700	-.0154						
.725							
.750							
.760							
.775							
.808							
.834	-.4283						
.840							
.857							
.865							
.903	-.4228						
.905							
.950							
.953							
.965	-.2836						

TABULATED PRESSURE DATA - 1A14A - VOL. 5

CAVE 11 JAN 75

(R01L30)

ARC11-716 1A14 01-0112-012N25-AT11 LOWEP WING

ALFMA2 ( 4 ) = 4.029    BETAG ( 5 ) = 0.160

SECTION 1 (FLOWER WING  
DEPENDENT VARIABLE CP

Y/Y8W	.2999	.3640	.4270	.5340	.6750	.7600	.8670
X/CW							
.000	-.0073	-.0637	.0301	.1723	.4333	.4149	.4132
.020				.1771	.1234	.1277	.1410
.030			.1172				
.040		-.0178					
.048			.1214				
.050	-.3286			.1640	.1074	.0854	.0789
.080				.1564			
.085		.0537	.1337				
.085							
.094	-.1011						
.150		.1241		.1428	.1213	.1003	.0492
.153			.1356				
.177							
.229	.0044						
.246	.1066						
.250			.1316	.1280	.0779	.0604	-.0035
.274							
.362	.1049						
.390		.1236		.0828	.0200		-.0589
.400			.1043				
.402							
.497	.1070						
.550							
.563			-.0571	-.0346	-.1228		-.2495
.600						-.2791	
.650							
.700	-.0888			-.3500			
.725							
.750							
.760			-.3943				
.775				-.4239	-.4862		
.808			-.5106				
.834	-.4376						
.850							
.857			-.4911				
.863	-.4693						
.900	-.3817			-.5662	-.6062	-.6204	
.935			-.3687				
.950				-.3328	-.2840		
.953			-.2347	-.1939		.0000	
.963	-.2902						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5  
 ARC11-716 IAL14 01+712+512+25+AT11 LOWER WING

(801.30)

ALPHA(5) = 7.835 BETAD (1) = -0.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0082	-.1325	.4461	.7324	.6682	.5678	.5007
.020			.5942	.6377	.6681	.6263	
.030		.6370					
.040		.2761					
.048		.5000					
.050	.0115		.4640	.5306	.5381	.4913	
.060			.3910				
.085		.4323					
.086	.4084						
.094	.0217						
.150		.4677		.3571	.4430	.4277	.3589
.163		.3560					
.177							
.229	.1967						
.246		.3389					
.250				.3361	.3516	.3540	.2555
.274		.3510					
.342	.3640						
.350		.3510		.3122	.2810		.1549
.402		.3694					
.497	.3406		.2720	.1517	.1141		
.553							
.600							
.650							
.700	.4317						
.725							
.750							
.760							
.775							
.800							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.965							

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(881130)

ARC11-716 IAL14 01-112-512N25-AT11 LOWER WING

ALPHA(1) = 7.930 BETA(2) = -3.990

SECTION (1) LOWER WING	DEPENDENT VARIABLE CF			
Y/BW	.2990	.3640	.4270	.5340
X/CW	.4230	.6730	.7800	.8870
.000	-.1250	-.3391	.4230	.6918
.020				.6423
.030				.5334
.040				.4508
.050				.5169
.060				.5676
.070				.6073
.080				.5736
.090				
.100				
.110				
.120				
.130				
.140				
.150				
.160				
.170				
.180				
.190				
.200				
.210				
.220				
.230				
.240				
.250				
.260				
.270				
.280				
.290				
.300				
.310				
.320				
.330				
.340				
.350				
.360				
.370				
.380				
.390				
.400				
.410				
.420				
.430				
.440				
.450				
.460				
.470				
.480				
.490				
.500				
.510				
.520				
.530				
.540				
.550				
.560				
.570				
.580				
.590				
.600				
.610				
.620				
.630				
.640				
.650				
.660				
.670				
.680				
.690				
.700				
.710				
.720				
.730				
.740				
.750				
.760				
.770				
.780				
.790				
.800				
.810				
.820				
.830				
.840				
.850				
.860				
.870				
.880				
.890				
.900				
.910				
.920				
.930				
.940				
.950				
.960				
.970				
.980				
.990				
1.000				



DATE 1: JAN 75

ALPHA (S) = 7.935 BETA (S) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4275 .5340 .6750 .7800 .8870

X/CW

.000	-.2045	-.2350	.3407	.6137	.3930	.4975	.4205
.020				.3763	.4600	.5217	.5035
.030		.5285	.4491				
.040							
.048			.3491	.2944	.5724	.4085	.3817
.050	-.1185			.2457			
.080			.2935				
.085		.2765					
.086							
.094	-.0854			.2302	.3252	.3279	.2667
.150		.3407					
.163			.2591				
.177							
.229	.0988	.2242		.2224	.2592	.2719	.1719
.246							
.250			.2581				
.274	.2453						
.352		.2310		.2100	.2072		.0814
.390							
.400							
.472			.2436				
.497	.2192			.0770	.0540		
.550			.1370				
.565							
.600							
.650							
.700	.1826						
.725							
.750							
.760							
.775							
.800							
.834	-.4854						
.850							
.857							
.865							
.900	-.5330						
.905	-.5320						
.920							
.950							
.965							

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DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+T12+S12N23+AT11 LOWER WING  
 (RB1L38)

SECTION (1) LOWER WING	ALPHA (S) = 7.910	BETA (S) = 8.200	DEPENDENT VARIABLE CP
V/BW	.2990	.3440	.4270
X/CW	.3340	.6730	.7800
.000	-.0000	-.0006	.0096
.020	-.0043	-.1078	.4379
.030	.0030	.1107	.2636
.040	.0040	-.0505	.3339
.048	.0048	.1506	.3825
.050	-.0020	.2580	.3825
.080	.0080	.2473	.2034
.085	.0085	.1858	.2840
.086	.0086	.0624	.2473
.094	-.1537	.1530	.2190
.150	.1500	.1953	.2121
.163	.1630	.1567	.2245
.177	.1770	.1800	.1859
.229	.0439	.1729	.1879
.245	.2450	.1469	.1484
.250	.2500	.1334	.1757
.274	.2740	.1111	.0911
.352	.3520	.0158	.0111
.390	.3900	-.0058	-.0569
.400	.4000	-.0158	-.2236
.402	.4020	-.3114	-.1990
.497	.4970	-.3744	-.4415
.550	.5500	-.4110	-.4071
.565	.5650	-.4952	-.4642
.590	.5900	-.5045	-.6050
.590	.5900	-.4338	-.6451
.700	-.0427	-.3855	-.3312
.725	.7250	-.2118	.0000
.730	.7300	-.2340	
.750	.7500		
.775	.7750		
.808	.8080		
.834	-.4216		
.850	.8500		
.857	.8570		
.865	-.4533		
.900	-.3664		
.905	.9050		
.950	.9500		
.955	.9550		
.965	-.2506		

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ARCI11-716 1A14 01+Y12+S12+25+AT11 LOWER WING

(RB1(39) ( 15 FEB 74 )

## REFERENCE DATA

SREF = 2.4210 SQ.FT.      YMRP = 29.9000 INCHES  
 LEAF = 30.7000 INCHES      YMRP = .0000 INCHES  
 BREF = 30.7000 INCHES      ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

## PARAMETRIC DATA

```

MACH      = 1.150  ELEVON = .000
RUDDER    = .000  SPDRK   = .000

```

ALFMAO( 1 ) = -8.110 BETAO( 1 ) = -8.020

## SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2993	.3643	.4273	.5340	.6733	.7800	.8875
X/CW	-.0736	-.0796	.4237	.5744	.4828	.4119	.4300
.020			-.0116	-.5907	-.6955	-.7438	-.6578
.030		-.1561					
.040			-.0181				
.049				-.5370	-.6745	-.6930	-.6186
.080	-.1833		.0179	-.2268			
.085							
.086		-.0160					
.094	-.1238						
.150		.2349		-.0381	-.2347	-.6665	-.5097
.163			.0087				
.177	-.1062						
.246		.0819					
.250			.0412	-.0727	-.2167	-.3152	-.4062
.274	.2167						
.390		.0953		.2488	.1987		-.3683
.400			.1893				
.402							
.497	.1335						
.550			.2912	.2405	.1451		
.565							
.600							
.650						-.0852	
.700	.3848				-.1330	-.0018	
.725			-.1797				
.750		-.3209				-.2051	-.0795
.760				-.3251	-.2574		
.775		-.5384					
.808	-.4887						
.834			-.6415	-.5437	-.4330	-.3658	
.850							
.857							
.865	-.5484						
.900	-.8826		-.7075	-.6602			-.3279
.905					-.6123		

ARC11-716 1A14 01+T12+S12N25+AT11 LOWER WING (RBL39)

ALFMAO( 1 ) = -0.119    BEYAO ( 1 ) = -0.929

SECTION ( LOWER WING

Y/0W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

X/CW			
.950		- .7429	.0000
.955		- .4676	
.965		- .4462	

ALPHA( 1 ) = -8.100      BETA( 2 ) = -4.000

SECTION ( 1) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7830	.8870
------	-------	-------	-------	-------	-------	-------	-------

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(RBIL39)

ARC11-716 IA14 01+T12+S12N25+AT11 LOWER WING

ALPHA( 1 ) = -6.100 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.837		
.863		
.900		
.903		
.950		
.953		
.985		

ALPHA( 1 ) = -6.090 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.000		
.020		
.030		
.040		
.048		
.050		
.080		
.085		
.086		
.094		
.150		
.163		
.177		
.229		
.246		
.250		
.274		
.362		
.390		
.400		
.402		
.497		
.530		
.565		
.600		
.630		
.700		
.725		
.750		
.760		







DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-715 1A14 01+112+512+25+AT11 LOWER WING

(981L39)

ALPHA( 1 ) = -0.100 BETA( 4 ) = 4.380

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	Y/BW	CP
.700	.2990	-.2899
.725	.3640	-.3814
.750	.4270	-.3028
.775	.5340	-.1337
.800	.6730	-.3676
.825	.7800	-.4631
.850	.8870	-.4200
.875		-.5187
.900		-.4311
.925		-.5957
.950		-.5619
.975		-.4668
.990		-.5667
		-.5112
		-.4446
		-.3070
		-.4915
		-.3277
		-.3345
		-.0000
		-.2874
		-.3179

ALPHA( 1 ) = -0.130 BETA( 5 ) = 0.160

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	Y/BW	CP
.000	.2990	-.3680
.020	.3640	-.0409
.040	.4270	.1099
.060	.5340	.2345
.080	.6730	.0618
.100	.7800	-.0472
.120	.8870	-.0947
.140		-.6029
.160		-.6042
.180		-.6211
.200		-.5793
.220		-.0494
.240		-.0000
.260		-.0602
.280		-.3660
.300		-.7004
.320		-.6186
.340		-.5833
.360		-.2303
.380		-.0987
.400		.0309
.420		-.1767
.440		.1590
.460		.1630
.480		.0438
.500		-.0312
.520		-.1048
.540		-.0317
.560		-.0862
.580		-.1425
.600		-.7004
.620		-.5795
.640		-.0376
.660		-.0098
.680		-.0175
.700		-.0789
.720		-.1348
.740		-.0945
.760		-.0556
.780		-.0215





ARC11-716 IAI4 OL+112+112N25+AT11 LOWER WING

ALPHAO ( 2 ) = -4.103 BETAO ( 1 ) = -8.930

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW		.1746		.3325	.2652		.1384
.390							
.400							
.402				.3089			
.497	.2983						
.550				.2719	.1728		
.563				.3307			
.600							
.650							
.700	.4422						
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHAO ( 2 ) = -4.110 BETAO ( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW		.1746		.3325	.2652		.1384
.000							
.020							
.030							
.040							
.048							
.050							
.085							
.086							
.094							
.150							
.163							
.177							
.229							





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881139)

ARC11-716 1A14 01-112-512N25-AT11 LOWER WING

ALPHA( 2 ) = -4.110 BETAD ( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .1150 .1163 .1177 .1229 .1246 .1250 .1274 .1362 .1390 .1400 .1402 .1497 .1550 .1565 .1600 .1650 .1700 .1725 .1750 .1765 .1775 .1806 .1834 .1850 .1857 .1855 .1900 .1925 .1950 .1955 .1965

.2040 .0906 .0984 .0990 .1001 .1245 .1305 .1527 .1789 .1890 .2486 .4022 .5656 .5773 .6092 .5541 .5197 .5661 .3987 .3642

-.0390 -.1214 -.2650 -.3874 -.0025 -.0378 .0017 -.2513 .1222 .1789 .1890 .1245 .1305 .1527 .1789 .1890 .2486 .4022 .5656 .5773 .6092 .5541 .5197 .5661 .3987 .3642

-.0671 -.1925 -.2707 -.2461 -.3656 .3196 .5932 .4909 .4308 .5541 .5197 .5661 .3987 .3642

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965

-.4941 .5432 .925 .950 .955 .965



(801139)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+712+312+23+AT11 LOWER WING

ALPHAD (R) = -4.110 BETAD (A) = 4.170  
SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/W	.8900	.8640	.8270	.8340	.8730	.7800	.8870
1/CM							
.080							
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1.000							

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(081039)

ARC11-716 1A14 DIST12-S12425-AT11 LOWER WING

ALPHA(D) = -4.150 BETA(D) = 5.110

SECTION	1. LOWER WING	DEPENDENT VARIABLE CP			
Y/B	.2900	.3600	.4270	.5340	.6750 .7000 .8070
X/CW					
.000	-.4590	-.0711	.1264	.3793	.2467 .1445 .1992
.020			.0505	-.1712	-.5262 -.5720 -.5024
.040		-.0325			
.060			.0212		
.080	-.3110			-.0810	-.5051 -.5625 -.5014
.100			.0255	-.0650	
.120		.0096			
.140	-.2309			-.0252	-.0971 -.3708 -.5052
.160		.0166			
.180			.0267		
.200	-.0909	.0063		-.0067	-.0036 -.0023 -.4390
.220					
.240			.0200		
.260		.0127		-.0205	-.0794
.280					
.300	.0105			-.1399	-.1605
.320			-.1219		
.340					-.1661
.360				-.3065	-.2435
.380	-.1557				
.400				-.3075	-.3464
.420			-.3791		
.440				-.4309	-.4372
.460			-.4087		
.480					
.500	-.4220			-.5476	-.5421 -.5179
.520			-.4902		
.540					
.560	-.4011			-.4900	
.580	-.4105				-.5190
.600			-.4150	-.2779	
.620				-.2505	.0000
.640			-.2628		
.660	-.2712				





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 010112+512025+AT11 LOWER WING (RBL39)

ALPHA (3) = -.330 BETA (1) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6750 .7000 .8870

X/CW

.2990	-.0632	-.0349	.0020	.6783	.6492	.6269	.6670
.320				.1033	.0233	.0233	.0491
.330			.3361				
.340		.0472					
.348			.2308				
.350	-.1726			.1023	.0601	.0969	.0897
.360				.1032			
.385			.2085				
.386		.1355					
.394	-.1831						
.150				.1531	.2305	.2408	.1879
.163		.3162					
.177			.1956				
.229	-.0629						
.246		.1914		.2563	.2693	.2617	.1571
.250			.2245				
.274							
.362	.2311		.2466				
.390				.3482	.2950		.1333
.400							
.402			.3371				
.497	.2479			.2670	.1778		
.550			.3274				
.565							
.600							
.650							
.700	.4063						
.725				-.1627	-.1444	-.0232	-.0185
.750							
.760			-.3037			-.2329	-.2063
.775				-.3370	-.2585		
.808			-.5191				
.834	-.4008						
.850			-.6423	-.5643	-.4388	-.3958	
.857							
.865	-.5820						
.910	-.6230			-.6860			-.2291
.915				-.4455	-.6267		
.950				-.4829			.0000
.955			-.3895				
.965	-.3800						

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+112+512N25+AT11 LOWER WING  
 (RB1L39)

ALPHA( 3 ) = -.330 BETA( 2 ) = .040		DEPENDENT VARIABLE CP	
SECTION ( 1 ) LOWER WING			
Y/BW			
X/CW			
.000	-.1635	-.0608	.4465
.020			.6256
.030			.5555
.040			.5015
.050			.5623
.060			.0653
.070			-.1177
.080			-.1956
.090			-.1075
.100			.3279
.110			.0411
.120			.2291
.130			.0673
.140			-.0777
.150			-.0763
.160			-.0125
.170			.0706
.180			.1901
.190			.1553
.200			.0724
.210			.1386
.220			.1446
.230			.1101
.240			.0724
.250			.1386
.260			.1446
.270			.1101
.280			.0724
.290			.1386
.300			.1446
.310			.1101
.320			.0724
.330			.1386
.340			.1446
.350			.1101
.360			.0724
.370			.1386
.380			.1446
.390			.1101
.400			.0724
.410			.1386
.420			.1446
.430			.1101
.440			.0724
.450			.1386
.460			.1446
.470			.1101
.480			.0724
.490			.1386
.500			.1446
.510			.1101
.520			.0724
.530			.1386
.540			.1446
.550			.1101
.560			.0724
.570			.1386
.580			.1446
.590			.1101
.600			.0724
.610			.1386
.620			.1446
.630			.1101
.640			.0724
.650			.1386
.660			.1446
.670			.1101
.680			.0724
.690			.1386
.700			.1446
.710			.1101
.720			.0724
.730			.1386
.740			.1446
.750			.1101
.760			.0724
.770			.1386
.780			.1446
.790			.1101
.800			.0724
.810			.1386
.820			.1446
.830			.1101
.840			.0724
.850			.1386
.860			.1446
.870			.1101
.880			.0724
.890			.1386
.900			.1446
.910			.1101
.920			.0724
.930			.1386
.940			.1446
.950			.1101
.960			.0724
.970			.1386
.980			.1446
.990			.1101
.1000			.0724



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(R81L39)

ARC11-T16 IAL14 01-T12-S12H25+AT11 LOWER WING

ALPHA(3) = -.340 BETA(3) = 4.070

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.3340	.6730	.7800	.8870
X/CU							
.000	-.2910	-.1233	.3156	.5244	.4418	.3951	.4410
.020				.0196	-.1708	-.2668	-.2775
.030			.2496				
.040		.0106					
.048			.1531				
.050	-.2263			.0138	-.1222	-.1564	-.1536
.080				.0174			
.085			.1213				
.086		.1198					
.094	-.1743			.0274	.0374	.0244	.0978
.150		.1898					
.163			.0935				
.177							
.229	-.0020	.0908		.0619	.0515	.1578	.0552
.246							
.250			.0932				
.274				.0967	.1562		.0579
.362	.1196	.1033					
.390				.0415	.0493		-.1109
.400			.0036				
.402							
.497	.1051						
.550							
.565							
.600							
.650							
.700	-.0040			-.3180	-.2492		
.725							
.750							
.760							
.775							
.808							
.834	-.3922						
.850							
.857							
.855							
.900	-.4732						
.905	-.4125						
.950							
.953							
.965	-.2841						

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(R81L39)

ARC11-716 IAL4 OL+T12+512H25+AT11 LOWER WING

DATE 11 JAN 75

ALPHA(4) = 4.010 BETA(1) = -0.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0704	-.0618	.5520	.7676	.7684	.7215	.6949
.020				.4663	.4859	.5134	.5029
.030			.5316				
.040		.1323					
.048			.4290				
.050	.0747			.4017	.4219	.4326	.3980
.060				.3731			
.085			.3950				
.085		.3350					
.094	-.0816						
.150				.3806	.4249	.4075	.3430
.163		.4533					
.177			.3710				
.229	.0837						
.245		.3485					
.250			.3923	.4104	.3935	.3784	.2801
.274							
.352	.3746						
.390		.3954					
.400							
.402			.4533	.4471	.3661		.2179
.497	.3716						
.550				.3314	.2296		
.555			.4035				
.600							.0353
.650					.0263		
.700	.5409			-.1188	-.1065		
.725							
.750			-.2652			-.1926	-.1716
.760				-.2755	-.2132		
.775							
.808			-.4767				
.834	-.4681						
.850				-.4975	-.3969	-.3621	
.857			-.6190				
.865	-.5230						
.900	-.6338			-.6199			-.3936
.905			-.6895		-.5935		
.950				-.7169		.0000	
.953			-.4294				
.965	-.4087						

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI14 - VOL. 5

PAGE 2100

(RBIL39)

ARC11-716 IAI14 01+112+312N25+AT11 LOWER WING

ALPHA( 4 ) = 4.010 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING		DEPENDENT VARIABLE CP			
Y/BW	X/CW	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.000	-.0266	-.1496	.4561	.7216	.7084 .6641 .6484
.020			.3919	.4100	.4524 .4543
.030			.4858		
.040		.0485			
.049		.3714			
.050	.0307		.3290	.3595	.3807 .3610
.080			.3067		
.085		.3390			
.096		.2486			
.094	-.1349				
.150		.3930	.3132	.3701	.3691 .3093
.163		.3063			
.177					
.229	.0386				
.246		.2853			
.250			.3509	.3403	.3455 .2524
.274		.3250			
.362	.3142	.3234			
.390			.3898	.3326	.1904
.400		.3893			
.402			.2935	.2008	
.497	.3115	.3459			.0064
.550				-.0029	
.565					
.600			-.1338		
.650					
.700	.4373		-.1453		
.725				-.2137	-.1964
.750		-.2867			
.760			-.2963	-.2404	
.775		-.4983			
.808					
.834	-.4800				
.850		-.6336	-.3179	-.4210	-.3823
.857					
.865	-.5025				
.900	-.5966		-.6371		-.4145
.905		-.4210		-.6120	
.950		-.4210			.0000
.953		-.3705			
.955	-.3115				





(R81L39)

ARC11-716 IAL4 01+112+512+25+AT11 LOWER WING

TABULATED PRESSURE DATA - IAL4A - VOL. 3

DATE 11 JAN 75

ALPMAD( 4) = 4.000 BETAO ( 4) = 4.100

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3067	-.3106	.2175	.5434	.5261	.4924	.5212
.020				.2311	.1975	.2258	.2710
.030			.2963				
.040		-.0382					
.048			.2350				
.050	-.1081			.1861	.1563	.1803	.2069
.060				.1549			
.065			.2014				
.086		.1334					
.094	-.1405						
.150			.2272	.1509	.1753	.2074	.1841
.163							
.177			.1753				
.229	.0341						
.246		.1572					
.250				.1569	.1807	.2186	.1453
.274			.1665				
.362	.1629						
.390		.1802					
.400				.1652	.1807		.0938
.402			.1556				
.497	.1591						
.550			.0750	.0750	.0734		
.565			.0455				
.600						-.0069	
.650						-.0986	
.700	.0376			.2378			
.725				-.2930			
.750						-.2993	-.2759
.760			-.3429				
.775				-.4004	-.3546		
.808			-.5029				
.834	-.3818						
.850				-.5750	-.5169	-.4649	
.857			-.3373				
.865	-.4335						
.900	-.3940			-.5885			-.4929
.925			-.5255		-.4327		
.950				-.3561		.0000	
.955			-.2634				
.965	-.2706						





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 3

(R81L39)

ARC11-716 IAI14 01+712+512H25+AT11 LOWER WING

ALPHA(4) = 3.990 BETA(5) = 0.140

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y-BW	.8990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.6125	-.1210	.0501	.2332	.4505	.4196	.4345
.020			.1324	.1825	.1349	.1161	.1475
.030							
.040		-.0379					
.060			.1272	.1653	.1101	.0833	.1104
.080	-.3017			.1586			
.085			.1414				
.086		.0554					
.094	-.2159						
.150		.1276		.1477	.1334	.1116	.1015
.163			.1462				
.177							
.229	-.0080	.1137		.1365	.1002	.1220	.0572
.246							
.250			.1437				
.274							
.362	.1012	.1375		.1009	.0690		.0110
.390							
.400			.1232				
.402							
.497	.1089		-.0151	-.0172	-.0310		
.550							
.565							
.600							
.640							
.700	-.0620			-.1847			
.725							
.750				-.3124	-.2878		
.760							
.775				-.3565	-.3920	-.3962	
.808				-.4537			
.834	-.3789						
.850				-.4940	-.5135	-.5034	
.857							
.865	-.4183						
.900	-.3339			-.4828	-.3005		-.5367
.905							
.950				-.3683			
.953				-.2284			.0000
.965	-.2289			-.2178			

(R81C39)

ARC11-716 1A14 01+112+312+25+AT11 LOWER WING

ALPHA (°) = 7.920 BETAD (°) = -8.050

SECTION : 11 LOWER WING

DEPENDENT VARIABLE CF

Y/B	.2990	.3640	.4270	.5340	.5730	.7000	.8870
X/C							
.000	.0844	-.0434	.5002	.7900	.7434	.6528	.6032
.020			.6141	.6023	.6376	.6987	.6754
.030							
.040		.2909					
.048			.4985				
.050	.0951			.4875	.5544	.5766	.5448
.050				.4254			
.065			.4200				
.085		.3832					
.094	.0061						
.150		.4744		.4064	.4847	.4801	.4292
.177			.3682				
.229	.1778						
.245		.3441					
.250				.4012	.4142	.4229	.3353
.274			.3767				
.362	.3718						
.390		.3789					
.400			.4190				
.432				.4069	.3568		.2491
.497	.3698						
.550				.2821	.2105		
.563			.3575				
.600							.0581
.650					.0372		
.700	.9125			-.1229	-.1078		
.725						-.11820	-.1472
.750			-.2578				
.760				-.2679	-.1990		
.775			-.4491				
.808							
.834	-.4648			-.4509	-.3660	-.3405	
.850							
.857			-.5901				
.865	-.5046						-.3715
.900	-.5746			-.5481			
.905			-.6650		-.4986		
.950				-.6207		.0000	
.955			-.3700				
.965	-.3681						



## TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512425+AT11 LOWER WING (RBL39)

DATE 11 JAN 75

ALPHA (°) = 7.930 BETA (°) = -3.990

SECTION (1) LOWER WING	DEPENDENT VARIABLE C <sub>p</sub>			
Y/B	.2990	.3640	.4270	.5340
X/CW				
.000	-.0408	-.2152	.3662	.7170
.020				.7010
.030				.6134
.040				.5167
.050				.4187
.060				.3199
.070				.2278
.080				.1332
.090				.0327
.100				.0181
.110				
.120				
.130				
.140				
.150				
.160				
.170				
.180				
.190				
.200				
.210				
.220				
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1.000				

DATE 11 JAN 75 TABULATED PRESSURE DATA - IALIA - VOL. 5

(RBIL39)

ARC11-716 IALIA 01-112-512N25+AT11 LOWER WING

ALPHA(1) = 7.930 BETA(1) = .040

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/W	X/CW	CP
.2990	.3640	.4270
.3340	.3640	.5340
.3690	.3640	.6730
.4040	.3640	.8070
.4390	.3640	.9055
.4740	.3640	.9522
.5090	.3640	.9555
.5440	.3640	.9555
.5790	.3640	.9555
.6140	.3640	.9555
.6490	.3640	.9555
.6840	.3640	.9555
.7190	.3640	.9555
.7540	.3640	.9555
.7890	.3640	.9555
.8240	.3640	.9555
.8590	.3640	.9555
.8940	.3640	.9555
.9290	.3640	.9555
.9640	.3640	.9555
.9990	.3640	.9555
.0340	.3640	.9555
.0690	.3640	.9555
.1040	.3640	.9555
.1390	.3640	.9555
.1740	.3640	.9555
.2090	.3640	.9555
.2440	.3640	.9555
.2790	.3640	.9555
.3140	.3640	.9555
.3490	.3640	.9555
.3840	.3640	.9555
.4190	.3640	.9555
.4540	.3640	.9555
.4890	.3640	.9555
.5240	.3640	.9555
.5590	.3640	.9555
.5940	.3640	.9555
.6290	.3640	.9555
.6640	.3640	.9555
.6990	.3640	.9555
.7340	.3640	.9555
.7690	.3640	.9555
.8040	.3640	.9555
.8390	.3640	.9555
.8740	.3640	.9555
.9090	.3640	.9555
.9440	.3640	.9555
.9790	.3640	.9555
.0140	.3640	.9555
.0490	.3640	.9555
.0840	.3640	.9555
.1190	.3640	.9555
.1540	.3640	.9555
.1890	.3640	.9555
.2240	.3640	.9555
.2590	.3640	.9555
.2940	.3640	.9555
.3290	.3640	.9555
.3640	.3640	.9555
.3990	.3640	.9555
.4340	.3640	.9555
.4690	.3640	.9555
.5040	.3640	.9555
.5390	.3640	.9555
.5740	.3640	.9555
.6090	.3640	.9555
.6440	.3640	.9555
.6790	.3640	.9555
.7140	.3640	.9555
.7490	.3640	.9555
.7840	.3640	.9555
.8190	.3640	.9555
.8540	.3640	.9555
.8890	.3640	.9555
.9240	.3640	.9555
.9590	.3640	.9555
.9940	.3640	.9555
.0290	.3640	.9555
.0640	.3640	.9555
.0990	.3640	.9555
.1340	.3640	.9555
.1690	.3640	.9555
.2040	.3640	.9555
.2390	.3640	.9555
.2740	.3640	.9555
.3090	.3640	.9555
.3440	.3640	.9555
.3790	.3640	.9555
.4140	.3640	.9555
.4490	.3640	.9555
.4840	.3640	.9555
.5190	.3640	.9555
.5540	.3640	.9555
.5890	.3640	.9555
.6240	.3640	.9555
.6590	.3640	.9555
.6940	.3640	.9555
.7290	.3640	.9555
.7640	.3640	.9555
.7990	.3640	.9555
.8340	.3640	.9555
.8690	.3640	.9555
.9040	.3640	.9555
.9390	.3640	.9555
.9740	.3640	.9555
.0090	.3640	.9555
.0440	.3640	.9555
.0790	.3640	.9555
.1140	.3640	.9555
.1490	.3640	.9555
.1840	.3640	.9555
.2190	.3640	.9555
.2540	.3640	.9555
.2890	.3640	.9555
.3240	.3640	.9555
.3590	.3640	.9555
.3940	.3640	.9555
.4290	.3640	.9555
.4640	.3640	.9555
.4990	.3640	.9555
.5340	.3640	.9555
.5690	.3640	.9555
.6040	.3640	.9555
.6390	.3640	.9555
.6740	.3640	.9555
.7090	.3640	.9555
.7440	.3640	.9555
.7790	.3640	.9555
.8140	.3640	.9555
.8490	.3640	.9555
.8840	.3640	.9555
.9190	.3640	.9555
.9540	.3640	.9555
.9890	.3640	.9555
.0240	.3640	.9555
.0590	.3640	.9555
.0940	.3640	.9555
.1290	.3640	.9555
.1640	.3640	.9555
.1990	.3640	.9555
.2340	.3640	.9555
.2690	.3640	.9555
.3040	.3640	.9555
.3390	.3640	.9555
.3740	.3640	.9555
.4090	.3640	.9555
.4440	.3640	.9555
.4790	.3640	.9555
.5140	.3640	.9555
.5490	.3640	.9555
.5840	.3640	.9555
.6190	.3640	.9555
.6540	.3640	.9555
.6890	.3640	.9555
.7240	.3640	.9555
.7590	.3640	.9555
.7940	.3640	.9555
.8290	.3640	.9555
.8640	.3640	.9555
.8990	.3640	.9555
.9340	.3640	.9555
.9690	.3640	.9555
.0040	.3640	.9555
.0390	.3640	.9555
.0740	.3640	.9555
.1090	.3640	.9555
.1440	.3640	.9555
.1790	.3640	.9555
.2140	.3640	.9555
.2490	.3640	.9555
.2840	.3640	.9555
.3190	.3640	.9555
.3540	.3640	.9555
.3890	.3640	.9555
.4240	.3640	.9555
.4590	.3640	.9555
.4940	.3640	.9555
.5290	.3640	.9555
.5640	.3640	.9555
.5990	.3640	.9555
.6340	.3640	.9555
.6690	.3640	.9555
.7040	.3640	.9555
.7390	.3640	.9555
.7740	.3640	.9555
.8090	.3640	.9555
.8440	.3640	.9555
.8790	.3640	.9555
.9140	.3640	.9555
.9490	.3640	.9555
.9840	.3640	.9555
.0190	.3640	.9555
.0540	.3640	.9555
.0890	.3640	.9555
.1240	.3640	.9555
.1590	.3640	.9555
.1940	.3640	.9555
.2290	.3640	.9555
.2640	.3640	.9555
.2990	.3640	.9555
.3340	.3640	.9555
.3690	.3640	.9555
.4040	.3640	.9555
.4390	.3640	.9555
.4740	.3640	.9555
.5090	.3640	.9555
.5440	.3640	.9555
.5790	.3640	.9555
.6140	.3640	.9555
.6490	.3640	.9555
.6840	.3640	.9555
.7190	.3640	.9555
.7540	.3640	.9555
.7890	.3640	.9555
.8240	.3640	.9555
.8590	.3640	.9555
.8940	.3640	.9555
.9290	.3640	.9555
.9640	.3640	.9555
.9990	.3640	.9555



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5

(801L39)

ARC11-716 1414 01-712-512425-AT11 LOWER WING

ALPHA( 91 ) = 7.830 BETA( 4 ) = 4.120

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7900	.8870
X/CW							
.000	-.3693	-.3886	.0812	.4844	.5426	.4946	.4565
.020				.5544	.4067	.4821	.4987
.030			.2968				
.040		-.0329					
.048			.2738				
.050	-.1379			.2704	.3336	.3778	.3921
.080				.2235			
.085			.2378				
.086		.1463					
.094	-.0079			.1916	.2877	.3259	.3708
.150							
.163		.2487					
.177			.2247				
.229	.0676						
.246		.2062					
.250				.1753	.2410	.2914	.2159
.274		.2089					
.362	.1988						
.370				.1553	.2079		.1447
.400							
.402			.1877				
.497	.1975			.0350	.0864		
.550			.0580				
.565							-.0326
.600					-.0708		
.650							
.700	.0382			-.3308	-.2199		
.725						-.2740	-.2466
.750							
.760			-.3249				
.775				-.4629	-.3266		
.808			-.4644				
.834	-.3723						
.850				-.6367	-.4900	-.4422	
.857		-.5039					
.865	-.4267						
.900	-.3666			-.7084			-.4635
.905			-.5011		-.5867		
.930				-.4032		.0700	
.953			-.2469				
.965	-.2179						

(481139)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5

ARCH-716 IAI14 D10112-S12425-AT11 LOWER WING

ALPHA (S) = 7.919 BETA (S) = 0.200

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/B	.2890	.3640	.4270	.5340	.5730	.7800	.8870
1/CM							
.005	-.6323	-.1587	-.0446	.0579	.4379	.4204	.3917
.020				.2126	.3282	.3850	.4121
.030			.1126				
.040		-.0787					
.048			.1481				
.053	-.2861			.2067	.2600	.2892	.3167
.063				.1959			
.075			.1789				
.086		.0475					
.094	-.1790						
.110				.1772	.2229	.2479	.2332
.113		.1438					
.177			.1912				
.229	.0210						
.246		.1503					
.260				.1515	.1725	.2186	.1528
.274		.1809					
.362	.1549						
.393		.1770					
.400				.1032	.1238		.0841
.402			.1812				
.497	.1590			-.0280	.0062		
.550			.0210				
.565							
.600							
.650							
.700	-.0220						
.725				-.3507	-.2569		
.750							
.760			-.3510				
.775				-.4583	-.3562		
.808			-.4328				
.834	-.3754						
.850				-.5894	-.5020	-.4745	
.857			-.4345				
.905	-.4032						
.900	-.3880			-.6231			
.925			-.4018	-.3561			
.950				-.3164			
.953			-.2110				
.965	-.8205						



ARC11-716 1A14 01+112+12125+AT11 LOWER WING

(881L40) ( 15 FEB 74 )

## REFERENCE DATA

## PARAMETRIC DATA

SREF = 2.4210 30. FT. TMRP = 29.5800 INCHES  
 CREP = 30.7090 INCHES TMRB = .0000 INCHES  
 BRFP = 30.7090 INCHES TMRD = .0000 INCHES  
 SCALE = .0500 SCALE

MACH = 1.400 ELEVON = .000  
 RUDDER = .000 SPOILER = .000

ALPHAMACH 11 = -.7920 BETAD ( 1 ) = -0.040

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP		
Y/BW	.8990	.8640	.8270 .8340 .8750 .7800 .6370
Z/CW			
.000	.1105	.0196	.3544 .6284 .5689 .5719 .5433
.020			-.4124 -.4399 -.4483 -.4211
.030			-.0719
.040			-.1114
.048			-.1059
.050			-.4124 -.4770 -.4503 -.5771
.060			-.3993
.065			-.1031
.074			-.2014
.084			-.0818
.100			.0495
.163			-.1951
.177			-.0617
.229			-.0778
.246			-.1584 -.3800 -.4404 -.4292
.250			-.0937
.274			
.362			.0793
.390			.0319
.400			.1150
.402			.0101 -.0334 -.4004
.487			-.0334
.550			.3114 .2450
.564			.3134
.600			
.650			.3620
.700			.0117 .0435 .0189
.725			
.750			-.0876 .0498 -.1987
.760			-.1229 -.0607
.779			-.2643
.808			-.3807
.834			-.3170 -.2077 -.1028
.850			
.857			-.3807
.865			-.3833
.900			-.4099
.901			-.4219 -.3471
.901			-.4664

(201145)

ALPHA(1) = -7.920 BETA(1) = -8.340

SECTION (1) LOWER WING

[illegible]

1000	0.0000	0.0000	0.0000
900	0.0000	0.0000	0.0000
800	0.0000	0.0000	0.0000
700	0.0000	0.0000	0.0000
600	0.0000	0.0000	0.0000
500	0.0000	0.0000	0.0000
400	0.0000	0.0000	0.0000
300	0.0000	0.0000	0.0000
200	0.0000	0.0000	0.0000
100	0.0000	0.0000	0.0000
0	0.0000	0.0000	0.0000

$$\text{ALPHA}(1) = -7.910 \quad \text{BETA}(2) = -4.999$$

SECTION (LOWER WING

DEPENDENT VARIABLE CP

	2330	3640	.4270	.5340	.6730	.7890	.8870
1-10							
11-20							
21-30							
31-40							
41-50							
51-60							
61-70							
71-80							
81-90							
91-100							
Total							

X/CW					
.000	.0225	-.0350	.2242	.5180	.4496
.020				-.4884	-.5090
.030			-.1544		
.040		-.0832			
.048			-.1765		
.050	-.0289			-.5053	-.266
.060				-.4840	-.5497

-.086	-.0364	
.094	-.0591	
.150		-.4151
.163		-.4797
.177	-.0077	-.4993
		-.5141
		-.1584

[illegible]

Variable	Mean	Standard deviation	Skewness	Kurtosis
Age	36.2	10.5093	-.0161	-.0481
Gender	.390			
Education	.400			
Income	.402	.0643	-.0499	-.1475

.497	-.0377		
.350		.1614	.1068
.363		.1504	
.600			-.2307
.550			-.0498

.722	.2195		.5160
.725		-.0413	
.750			-.0153
			-.2339

.769	-.1337	
.775	-.1749	-.0909
.808	-.2946	

	-	.9672	-.2452	-.1236
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TABULATED PRESSURE DATA - IA14A - VOL. 3

(R81140)

ARC11-716 IA14 01+112+512+23+AT11 LOWER WING

ALPHA( 1 ) = -7.910 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.857  
.865  
.900  
.905  
.950  
.953  
.965  
-0.3309  
-0.3262  
-0.4297  
-0.4685  
-0.4747  
-0.3801  
-0.4494  
-0.5204  
-0.4971  
-0.2715  
-0.0000

ALPHA( 1 ) = -7.900 BETA( 2 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.086  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.565  
.600  
.650  
.700  
.725  
.750  
.760  
-0.0828  
-0.1199  
-0.1467  
-0.5386  
-0.5414  
-0.5627  
-0.5240  
-0.2450  
-0.1207  
-0.2227  
-0.5325  
-0.5533  
-0.5464  
-0.5064  
-0.5280  
-0.1564  
-0.1116  
-0.0883  
-0.0334  
-0.1235  
-0.0628  
-0.0686  
-0.0147  
-0.0089  
-0.0318  
-0.0238  
-0.0355  
-0.0577  
-0.0226  
-0.1056  
-0.0084  
-0.4098  
-0.2170  
-0.2777  
-0.5240  
-0.3113  
-0.4978  
-0.5091  
-0.5375  
-0.5091  
-0.3649  
-0.4427  
-0.4978  
-0.1525  
-0.3897  
-0.3113  
-0.0577  
-0.0226  
-0.0084  
-0.4098  
-0.2170



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+112+512+25+AT11 LOWER WING (R01L40)

ALPHA ( 1 ) = -7.910 BETA ( 4 ) = 4.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.0796				-.1463		
.725				-.3241		-.1124	-.3153
.750							
.760				-.3345			
.775					-.4102	-.2378	
.808				-.3665			
.834	-.3401						
.850				-.5464	-.3592	-.2783	
.857				-.4326			
.865	-.4066						
.900	-.4056			-.6027	-.4710	-.2094	
.935				-.4862			
.950				-.4339		.0000	
.953				-.3155			
.955	-.2957						

ALPHA ( 1 ) = -8.000 BETA ( 5 ) = 8.190

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2336	-.1163	.0987	.2039	.0821	.0631	.0815
.020				-.6285	-.5083	-.4738	-.4600
.030				-.0927			
.040		-.0817					
.048			-.1118				
.050	-.2048			-.5082	-.5150	-.4753	-.4613
.080				-.4109			
.085				-.1169			
.086		-.0520					
.094	-.2496						
.150				-.2794	-.4488	-.4888	-.4742
.163		-.0118					
.177			-.1306				
.229	-.0853						
.244		-.0944					
.250				-.2012	-.1298	-.4927	-.4762
.274			-.0678				
.362	-.0530						
.390		-.0446					
.400				-.1728	-.1169		-.4757
.402			-.0431				
.497	-.1084						

(GR 1188)

ALPHA (1)	BETA (5)	
-8.000	8.190	

DEPENDENT VARIABLE CP

7/24	.2990	.3640	.4270	.5340	.5730	.7800	.8870
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[illegible]
$$\text{ALPHA}(2) = -4.019 \quad \text{BETA}(1) = -0.059$$

SECTION 1 UNDER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.1141	.0128	.4327	.6841	.6405	.5841	.6262
.020				-.3014	-.3345	-.3775	-.3200
.030			.0393				
.040		.0076					
.048			-.0335				
.050	.0483			-.2995	-.3593	-.4024	-.4025
.060				-.2674			
.065			.0479				
.086		.0073					
.094	-.0482			-.2344	-.2939	-.3267	-.3491
.150		.0719					
.153							
.177			-.0631				
.229	-.0330						
.246		-.0372					
.250				-.0281	-.2196	-.2549	-.3133
.274			-.0043				
.362	.0876						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 5

(RB1C4D)

AL11-715 IAL4 01+112+512023+AT11 LOWER WING

ALPHA (2) = -4.010 BETAD (1) = -0.050

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2935 .3640 .4270 .5340 .6730 .7800 .8870

Y/CW						
.390	.1227					
.400		.0774	.0949			-.0225
.402	.1342					
.437	-.0018					
.550		.4004	.3555			
.565		.4225				
.620						.1356
.650				.2599		
.700	.4665			.0911		
.725		.0409				
.750				.0422	.0965	
.760		-.0631				
.775		-.1104	-.1120			
.819		-.2256				
.834	-.2835					
.850		-.0339	-.1683	-.1134		
.857		-.3552				
.861	-.3058					
.900	-.3925	-.4173	-.3303			-.1139
.935		-.4479	-.5077	.0919		
.950		-.5041				
.953	-.5007					
.965						

ALPHA (2) = -4.010 BETAD (2) = -4.020

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2935 .3640 .4270 .5340 .6730 .7800 .8870

Y/CW						
.390	.0197	-.0464	.3337	.5726	.5296	.4870
.400			-.3724	-.3928	-.4138	-.3659
.402			-.3429			
.430		-.0232				
.448			-.0989			
.450	-.0162			-.3655	-.4159	-.4429
.483				-.3483		
.505			-.0452			
.506		-.0659				
.534	-.0262					
.550		.0054		-.2724	-.3515	-.3016
.565						-.4054
.577			-.1259			
.629	-.0489					

(R81L40)

AEC11-716 1A14 01+112+512425+AT11 LOWER WING

ALPHA( 2 ) = -4.010 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.246	-.1031					
.250		-.0039	-.2351	-.3251	-.3570	
.274		-.0617				
.362	-.0131					
.330	.0522					
.400		.0406	.0289		-.1569	
.432		.1279				
.437	-.0226					
.550		.3413	.3019			
.565						
.630		.3308				
.630				.1917		.1081
.700	.3307		.0362			
.725		.0123		.0186	.0702	
.750		-.1019				
.760		-.1254	-.0484			
.775		-.2622				
.804	-.2941		-.3203	-.1983	-.1376	
.850		-.3831				
.857						
.855	-.3133		-.4257			-.1366
.900	-.4131		-.4710	-.3517	.0000	
.905			-.5116			
.950		-.5204				
.953						
.965	-.5052					

ALPHA( 2 ) = -3.930 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0969	-.0730	.2036	.4510	.4354	.3837	.4380
.020				-.4064	-.4258	-.4567	-.4024
.030			-.0662				
.040		-.0994					
.048		-.0844					
.050	-.1237			-.3803	-.4435	-.4202	-.4480
.080				-.3606			
.081			-.1249				
.086		-.0445					
.094	-.0937						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R81L40)

ARC11-716 1A14 01+712+512H25+AT11 LOWER WING

ALPHAD (2) = -3.930 BETAD (3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .150 .163 .177 .229 .246 .250 .274 .362 .390 .400 .402 .497 .550 .555 .590 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .905 .950 .953 .955

-.1227 -.2898 -.3281 -.4128

-.0475

-.1333 -.0260 .0768

.0863 -.0112 -.2084 -.3356

.0310 -.0350 -.1583

.0837 .1379

.1100

.0311 .1320

-.0453

-.1659 -.1774 -.0869

-.3162

-.3865

-.3624 -.2452 -.1688

-.4609 -.3900

-.4492 -.5395

-.5132

-.1655

.0000

ALPHAD (2) = -3.940 BETAD (4) = 4.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .000 .1929 -.1203 .1992 .4242 .3528 .2352 .3386

.020 .030 .040 .048 .050

-.2513 -.4144 -.4861 -.4297

.0812

-.0755

.0286

-.1807 -.3769 -.4329 -.4689





DATE 11 JAN 75

TABULATED PRESSURE DATA - TAIL - VOL. 5

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ARC11-716 TAIL 01+112+512+25+AT11 LOWER WING

(R91L40)

ALPHA (2) = -3.930 BETA (3) = 0.150

SECTION / LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/BW .2900 .3040 .4270 .5340 .6750 .7000 .8070

X/CW

.000	-.3077	-.1217	.0915	.3405	.2702	.1964	.2306
.070			-.2075	-.4469	-.5040	-.4597	
.030		.0275					
.040		-.0944					
.048			-.0263				
.050	-.2532		-.2025	-.4130	-.4593	-.4273	
.050			-.1359				
.055			-.0376				
.065		-.0640					
.034	-.2290						
.150				-.1067	-.1173	-.3005	-.4164
.163		.0097					
.177			-.0220				
.229	-.1225						
.246		-.0502					
.250			-.0690	-.0768	-.0933	-.3516	
.274			-.0127				
.362	-.0240						
.393		-.0105					
.470			-.0460	-.0326		-.0692	
.432			.0019				
.497	-.0232			-.1056	-.0727		
.550			-.0650				
.565							
.600							
.653							
.700	-.1313			-.2519		-.1329	
.725			-.3503				
.750			-.2998			-.2359	-.1207
.760				-.4034	-.3225		
.775			-.4074				
.808							
.834	-.3391			-.5096	-.4160	-.3235	
.850			-.3932				
.857							
.865	-.3030						
.900	-.3179		-.4051				-.2897
.935			-.3459	-.2308			
.950			-.2856			.0000	
.953			-.2295				
.965	-.2253						

(R01L40)

ARC11-716 1A14 01+112+312+25+AT11 LOWER WING

ALPHAC ( 3 ) = -.370 BETAC ( 1 ) = -.090

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/CW				
.000	.2990	.3640	.4270	.5340 .6730 .7800 .8870
.020	.1118	.0085	.4571	.7524 .7300 .6896 .7504
.030				-.0555 -.1727 -.2219 -.1332
.040		.0915	.1496	
.048			.0910	
.050	.0668		-.0912	-.1401 -.1606 -.2068
.080			-.1067	
.085			.0898	
.095		.0297		
.094	.3767			
.150				-.0393 -.0227 -.0295 -.1088
.163		.1215		
.177			.0495	
.229	.0722	.0084		
.245				.2689 .1807 .1431 .1243
.250			.3473	
.274				
.362	.1116			
.390		.3490		
.400				.4396 .4485 .3624
.402			.2214	
.497	.2562			
.550			.4573	.3816
.565			.4917	
.600				.2260
.650				
.700	.5563			.1123
.725			.0782	
.750				.0334 .0519
.760			-.0352	
.775			-.0772	.0125
.808			-.1978	
.834	-.2702			
.850			-.2643	-.1502 -.1141
.857			-.3330	
.865	-.3099			
.900	-.3913		-.3743	-.3185
.905			-.4355	-.0000
.950			-.4650	
.955			-.4977	
.965	-.4881			



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(891140)

ARC11-716 1A14 01+712+512+25+AT11 LOWER WING

A. PARAMETER 3 = -0.380 SEVAD (2) = -4.020

SECTION 1 LOWER WING DEPENDENT VARIABLE CR

7/8W	.2890	.3640	.4270	.5340	.6730	.7600	.8070
7/CW							
.000	.0212	-.0633	.3747	.6662	.5408	.5931	.6346
.020				-.1039	-.2234	-.2856	-.2019
.030			.0655				
.040		.0333					
.048			.0067				
.050	.0149			-.1100	-.2110	-.2638	-.2737
.080				-.1289			
.085			.0536				
.086		-.0216					
.094	.0233						
.150				-.0571	-.1218	-.1426	-.1809
.163		.0449					
.177			.0035				
.229	-.0030						
.246		-.0176					
.247				.2454	.1391	.1055	-.0125
.272			.2759				
.312	.0328	.2697					
.340				.2393	.3594		.3253
.377			.1709				
.412	.1503			.4213	.3584		
.437			.4220				
.550							.2099
.600						.1994	
.640	.4209			.0650	.0848		
.700						.0094	.0327
.725							
.750							
.760							
.775			-.0679				
.775				-.0813	-.0176		
.804			-.2277				
.834							
.850	-.2734			-.2631	-.1778	-.1333	
.857			-.3602				
.864	-.3049						
.900	-.3337			-.3690			-.1756
.915			-.4543	-.3426			
.930				-.4439		.0000	
.953			-.5129				
.965	-.5031						

(R01L40)

ARC11-716 1A14 01+712+512M25+AT111 LOWER WING

ALPHA (3) = -.300 BETA (3) = .020

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/Z	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.0941	-.0974	.3086	.5730	.5420	.5257	.5430
.020				-.1162	-.2590	-.2915	-.2326
.030			.1140				
.040		-.0539					
.048			.0491				
.050	-.1025			-.0757	-.1832	-.1964	-.2539
.060				-.0606			
.065			.0717				
.066		.0036					
.094	-.0770			-.0225	.1341	.0299	-.1483
.150		.0894					
.177			.0549				
.229	-.1110						
.246		.0733		.1220	.0360	.0154	-.0343
.250			.2263				
.274							
.362	.0611	.1951					
.390				.1098	.0625		.0151
.430			.1240				
.497	.1312			.3019	.3530		
.550			.1967				
.565							.1970
.600							
.650					.1799		
.700	.2153			.0014	.0617		
.725						-.0001	.0244
.750			-.1310				
.760				-.1411	-.0515		
.775			-.2802				
.800							
.834	-.2549			-.3249	-.2123	-.1353	
.850			-.3021				
.857							
.865	-.3020						-.1923
.900	-.4134			-.4277	-.3672		
.935			-.4482				
.940				-.5109		.0000	
.955			-.5044				
.965	-.4611						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A14 21+112+512+25+AT11 LOWER WING (RBL40)

ALPHA (3) = -.390 BETA (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
1/OW							
.000	-.1858	-.1475	.2483	.5088	.4522	.3955	.445
.020				-.0145	-.1630	-.2940	-.2648
.030			.2157				
.040		-.0613					
.060			.1471				
.080	-.1540			-.0676	-.1280	-.1949	-.2601
.100			.0937	-.0700			
.120		.0444					
.140	-.1000						
.160		.1569		-.0278	.0150	-.0316	-.1384
.180			.0914				
.200	-.0660						
.220		.0399					
.240				.0017	-.0002	-.0064	-.0550
.260			.0795				
.280	.0735						
.300		.0812					
.320				.0431	.0557		.0207
.340			.0925				
.360	.0710			.0074	.0751		
.380			.0334				.1334
.400						.1137	
.420	.0172			-.1934	-.0164		
.440						-.0588	-.0309
.460			-.2644	-.2995	-.1295		
.480			-.3321				
.500							
.520	-.3127			-.4551	-.2835	-.2160	
.540			-.4050				
.560							
.580	-.3771			-.5330			-.2381
.600	-.4237			-.4788	-.4188	.0000	
.620				-.5740			
.640			-.5422				
.660	-.3037						

DATE 11 JAN 73 TABULATED PRESSURE DATA IAI14 - VOL. 3

(RBIL40)

ARC11-716 IAI14 01+112+512N25+AT11 LOWER WING

ALPHA( 3 ) = -.390 BETA( 5 ) = 0.140

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/5W	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/C4							
.000	-.3875	-.1856	.0708	.3531	.3740	.3202	.3548
.020				-.0457	-.2025	-.3079	-.2981
.030			.0723				
.040		-.1137					
.048			.0316				
.050	-.2494		-.0349	-.1514	-.2330	-.2525	
.060			-.0202				
.065			.0263				
.085		-.0373					
.094	-.2141			.0038	.0147	-.0240	-.0427
.150		.0374					
.163			.0184				
.177							
.229	-.1229						
.246		-.0098		.0242	.0207	.0175	.0177
.250			.0522				
.274							
.362	-.0179	.0449					
.390				.0313	.0277		.0719
.400			.0628				
.402							
.497	.0094			-.0469	-.0373		
.550			-.0242				
.563						-.0338	-.0011
.600					-.1947		
.650				-.2962			
.700	-.0691					-.1742	-.1417
.723							
.750			-.2793				
.760				-.3494	-.2503		
.773			-.3862				
.808							
.834	-.3226			-.4564	-.3585	-.3024	
.850			-.3759				
.857							
.865	-.3736			-.3651			-.3194
.900	-.3166						
.905			-.3600	-.2949			
.950			-.2425			.0000	
.953			-.2106				
.963	-.2072						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 3

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(RBL40)

ARC11-716 IAI4 31+T12+S12+23+AT11 LOWER WING

ALPHA(4) = 4.000 BETA(1) = -9.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.1104	.0637	.5005	.8246	.8465	.7880	.8263
.020				.2435	.3812	.3117	.3999
.030			.3891				
.040		.1238					
.048			.2659				
.050	.0772			.1768	.2987	.2762	.3928
.080			.2020	.2930			
.085							
.085		.2474					
.094	.1017			.3373	.2939	.3586	.4174
.150		.3230					
.163			.4407				
.177							
.229	.0947						
.245		.1996		.2618	.3936	.5115	.3973
.250			.3650				
.274							
.352	.1494	.3918					
.390							
.400				.5636	.5145		.3712
.402			.5123				
.487	.4150			.5030	.4128		
.550			.5574				
.560							.2248
.600						.2110	
.650					.1249		
.700	.6309			.1050			
.725						.0421	.0342
.750							
.760							
.775							
.775							
.808							
.834							
.834							
.850							
.857							
.865							
.900							
.905							
.930							
.933							
.965							

(RBIL40)

ARC11-716 IAI4 01+712+512M25+AT11 LOWER WING

ALPHA( 4 ) = 4.085 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0150	-.0186	.4046	.7252	.7669	.7122	.7225
.020				.1959	.3197	.2749	.2599
.030			.3430				
.040		.0580					
.048			.2082				
.050	.0085			.1302	.2549	.2429	.2100
.080				.0882			
.085			.1281				
.086		.1664					
.094	.0637			.3759	.2604	.2189	.3058
.150		.2602					
.163			.1875				
.177							
.223	.3454			.2312	.1791	.2902	.3993
.246		.1570					
.250			.3531				
.274							
.362	.0740	.3571		.4840	.4945		.3507
.390			.3330				
.400							
.402							
.497	.3525			.4606	.3943		.1923
.550			.4863				
.565							
.600							
.650							
.700	.5199			.0762	.1032	.2057	
.725							
.750					.0174	.0213	
.760							
.775			-.0286	-.0852	.0011		
.808			-.1869				
.834	-.2584			-.2692	-.1641	-.1322	
.850			-.3326				
.857							
.865	-.2959			-.3829			-.1782
.900	-.3732						
.905			-.4311	-.3261			
.950			-.4749			.0000	
.953			-.4954				
.965	-.4813						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L40)

ARC11-716 1A14 01\*112+512025+AT11 LOWER WING

ALPHA(D 4) = 4.010 BETA(D 3) = .030

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/B4 .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0936	-.1701	.3202	.6610	.6336	.5950	.6163
.020			.3241	.2491	.2692	.2069	.1949
.030							
.040		-.0119					
.048			.2440				
.050	-.0271			.1079	.1074	.1788	.1491
.080				.1813			
.085			.2167				
.096		.0430					
.094	-.0534						
.150				.2428	.1787	.1536	.1683
.163		.2081					
.171			.1973				
.229	-.0154						
.246		.1766		.1546	.1416	.1901	.2206
.250			.2475				
.274							
.362	.1502	.2459					
.390				.2620	.3402		.3715
.400							
.402			.2167				
.497	.2170			.3085	.3698		
.550			.3261				.1713
.600							
.650							
.700	.2818			.0276	.0636		.1791
.725							
.750							
.760							
.775							
.808							
.834	-.2512						
.850							
.857							
.865	-.3023						
.900	-.3984						
.905							
.950							
.953							
.961	-.4662						

ALPHAO ( 4 ) = 4.040 BETAO ( 4 ) = 4.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2247	-.3548	.1931	.5353	.5365	.4957	.5338
.020				.2400	.2325	.1752	.1678
.030							
.040		-.1166					
.048			.2184				
.050	-.1018			.1659	.1446	.1443	.1322
.080				.1423			
.085			.1814				
.086		.0477					
.094	-.1171						
.150		.2171		.1129	.1399	.1413	.1410
.177			.1570				
.229	.0060						
.246		.1229					
.250				.1187	.1429	.1530	.1322
.274			.1500				
.362	.1421						
.390		.1521					
.400				.1330	.1561		.1914
.402			.1597				
.497	.1381			.1092	.2638		
.500			.0930				
.565							.1567
.600						.1373	
.650							
.700	.0671			-.1411			
.725							
.750							
.760							
.775							
.808							
.834	-.3074						
.850							
.857							
.865	-.3628						
.900	-.3997						
.905							
.950							
.953							
.965							



(881140)

ARC11-716 TAIL 01+112+12025+AT11 LOWER WING

ALPHA(4) = 4.060 BETA(5) = 0.150

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/C <sub>w</sub>							
.000	-.4271	-.2292	-.0162	.2330	.4064	.4170	.4966
.020				.1450	.1467	.1230	.1864
.030			.0999				
.040		-.1497					
.049			.0961				
.050	-.2254			.1282	.1072	.1065	.1577
.060				.1216			
.065			.1019				
.066		-.0049					
.094	-.1534						
.150				.1100	.1310	.1142	.1746
.153		.0909					
.177			.1124				
.229	-.0511	.0742					
.245				.1227	.1124	.1522	.1523
.250				.1252			
.274							
.362	.0593						
.380		.1130					
.400				.1069	.0929		.1646
.402			.1222				
.497	.1010						
.550			.0308	.0324	.0520		
.565							
.600							.0117
.650							
.700	-.0396				-.0294		
.720				-.2059	-.1370		
.750							
.760			-.2409				
.775				-.2705	-.2109		
.800			-.3517				
.834	-.3159						
.850				-.3629	-.3270	-.2939	
.857			-.4164				
.869	-.3742						
.900	-.5297			-.3992			-.3120
.915			-.3280		-.4086		
.950				-.2334		.0000	
.955			-.1974				
.985	-.1906						

(R81L40)

ARC11-716 IAL4 01+712+512N25+AT11 LOWER WING

ALPHA(5) = 0.000 BETA(1) = -0.060

SECTION (1) LOWER WING		DEPENDENT VARIABLE CP			
X/CW	Y/CW	.2800	.3640	.4270	.5340 .6730 .7800 .8670
.000	.1180	.0782	.0127	.0980	.0325 .7887 .7671
.025				.5264	.5958 .6371 .5953
.030			.5970		
.040		.1590			
.048			.4909		
.050	.1017			.4022 .4974	.5563 .5035
.080				.3401	
.095			.4244		
.096		.2712			
.094	.1047				
.150				.5172 .4577	.5163 .5045
.163		.4331			
.177			.2825		
.229	.1132				
.246		.3187		.3640 .4525	.4985 .4365
.250			.3572		
.274					
.352	.3731		.3596		
.393				.6679 .4490	.5013
.400			.4626		
.402					
.497	.3814			.4064 .3498	
.550			.4795		.2231
.565					.2056
.600				.0937	
.650					
.700	.6120			.0741	.0321 .0555
.725					
.750					
.760					
.775					
.808					
.834					
.850					
.857					
.865					
.900					
.905					
.950					
.955					
.965					



DATE 11 JAN 75 TABULATED PRESSURE DATA - IATA - VOL. 5

(881140)

ARC11-716 IATA 01+112+512+25+AT11 LOWER WING

ALPHA(Deg) = 7.960 BETAS (2) = -4.010

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/Z	.2990	.3640	.4270	.5360	.6730	.7800	.8870
X/C <sub>w</sub>							
.000	.0121	-.0457	.4353	.8197	.7713	.7113	.6933
.020				.4889	.5092	.5764	.6393
.030			.4311				
.040		.0814					
.048			.3646				
.050	.0365			.3752	.4174	.4755	.5388
.080				.3047			
.085			.4157				
.086		.1917					
.094	.0813						
.150		.3075		.2466	.3954	.4675	.4727
.163			.2584				
.177							
.229	.0538						
.246		.3361		.2832	.4244	.4557	.4075
.260			.3700				
.362	.2127						
.390		.3085					
.400				.4431	.4285		.3523
.402			.4357				
.497	.3108			.3979	.5421		
.550			.4445				
.600							.1936
.650						.1657	
.700	.5146			.0448	.3787		
.725						.0125	.0243
.750			-.0484				
.760							
.775			-.1960	-.1152	-.0009		
.808							
.834	-.2644			-.2817	-.1598	-.1371	
.850							
.857			-.3434				
.865	-.3077						
.900	-.4010			-.3879			-.1717
.905			-.4385		-.3134		
.950				-.4775		.0090	
.953							
.965	-.4791						

DATE 11 JAN 75

ARC11-716 1A14 01+Y12+312N25+AT11 LOWER WING (RBL42)

$$A_{\text{LPM4}}(3) = 7.919 \quad B_{\text{EYAO}}(3) = .939$$

SECTION 1 - LOWER WING		DEPENDENT VARIABLE CF				
Y/BW	Z/BW	.3640	.4270	.5340	.6730	.7800
X/CW						
.000	-.0727	-.2161	.2920	.6774	.6767	.6185
.020				.4071	.4576	.4898
.040		.0303	.4522			.5421
.060			.3634	.3004	.3570	.3925
.080	.0066			.2493		.4579
.100			.3173			
.120		.1173				
.140	-.0167			.2455	.3117	.3448
.160		.3179				.4293
.180			.1930			
.200	.0343	.2187				
.220			.2556	.2296	.2684	.4139
.240						.3723
.260	.2212	.2508				
.280			.2790	.3504	.3918	.3146
.300	.2234					
.320			.2943	.3111	.3508	
.340						.5378
.360					.1530	
.380	.3016			.0084	.0447	
.400						
.420						
.440						
.460						
.480						
.500						
.520						
.540						
.560						
.580						
.600						
.620						
.640						
.660						
.680						
.700						
.720						
.740						
.760						
.780						
.800						
.820						
.840						
.860						
.880						
.900						
.920						
.940						
.960						
.980						
1.000						

091140

TABULATED PRESSURE DATA - IAL14 - VOL. 5

ARC11-716 IAL14 01+12+512+25+AT11 LOWER WING

ALPHA = 3.2 0.000 BETAS = 0.0 0.210

SECTION 111 LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

Y/C <sub>m</sub>	2330	1640	1420	1340	1270	1200	1130
0.00	-.4057	-.2777	-.1931	-.1070	-.0480	-.4303	-.5120
0.20				-.1522	-.2961	-.3398	-.4194
0.30			-.0920				
0.40		-.1526					
0.45			-.1173				
0.50	-.1793			-.1378	-.2223	-.2498	-.3443
0.60			-.1426	-.1297			
0.65							
0.66							
0.67							
0.70	-.1399						
0.75		-.1124		-.1142	-.1930	-.2251	-.3078
0.80			-.1592				
0.85	-.0114						
0.90		-.1176		-.1308	-.1615	-.2488	-.2962
0.95			-.1624				
1.00	-.0934						
1.05		-.1536		-.0863	-.1709		-.2519
1.10			-.1579				
1.15	-.1241			-.0961	-.0980		
1.20			-.0609				-.0607
1.25						-.0165	
1.30	-.0196			-.2533	-.1030		
1.35						-.1183	-.0906
1.40			-.2587				
1.45				-.3343	-.1763		
1.50			-.3146				
1.55							
1.60	-.3067			-.4572	-.2948	-.2497	
1.65			-.3955				
1.70							
1.75	-.3384						-.2697
1.80	-.3107			-.5077			
1.85			-.3434		-.4036		
1.90				-.4374		-.0000	
1.95			-.2039				
2.00	-.1886						

(881141) ( 15 FEB 74 )

LOWER WING

ARC11-716 1A14 01+112+512425

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 CREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BREF = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0000 SCALE

## PARAMETRIC DATA

MACH = .600 ELEVON = .000  
 RUDDER = .000 SPOILER = .000

ALPHA (1) = -7.940 BETA (1) = .020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y.B.W. .2930 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.000	-.0304	-.0909	.0277	-.2137	-.4520	-.6075	-.4137
.020					-1.7400	-1.6510	-1.4950	-.9943
.030				-.6294				
.040			-.0961					
.049				-.5663				
.070		-.1769			-.8118	-1.2090	-1.3820	-.9317
.080					-.6644			
.085				-.4484				
.096			-.0952					
.094		-.1233			-.4645	-.5568	-1.2070	-.6024
.150								
.163			-.1473					
.177				-.3591				
.229		-.0318						
.246			-.3037					
.250					-.3312	-.4388	-.3797	-.6926
.274				-.3030				
.362		-.1215						
.390			-.2684					
.400					-.2791	-.3473		-.5621
.432			-.2600					
.487		-.2495						
.550				-.3249		-.3504	-.3580	
.565								
.600								
.650								
.700		-.3354						-.4106
.725					-.3749	-.3861		
.750				-.3730				-.4578
.760								
.775					-.4695	-.4533		
.818				-.4978				
.834		-.3500						
.850					-.3814	-.3373	-.3238	
.857				-.3707				
.865		-.4305						
.900		-.3681			-.8930			-.2781
.935				-.2688		-.0853		





CA'S L: JAP. PS  
TABULATED PRESSURE DATA - 1414A - VOL. 5

ARC:1-716 1A10 D: Y12+S12+25

2411 N 83RD ST

ALMAZ (1) = -7.945 BC143 (1) = .020

SECTION 1: NUMBER wing DEFENDENT VARIABLE CR

[illegible]

1/2	1.334	1.017	1.000
1/4	1.334	1.017	1.000
1/8	1.334	1.017	1.000
1/16	1.334	1.017	1.000
1/32	1.334	1.017	1.000
1/64	1.334	1.017	1.000
1/128	1.334	1.017	1.000
1/256	1.334	1.017	1.000
1/512	1.334	1.017	1.000
1/1024	1.334	1.017	1.000
1/2048	1.334	1.017	1.000
1/4096	1.334	1.017	1.000
1/8192	1.334	1.017	1.000
1/16384	1.334	1.017	1.000
1/32768	1.334	1.017	1.000
1/65536	1.334	1.017	1.000
1/131072	1.334	1.017	1.000
1/262144	1.334	1.017	1.000
1/524288	1.334	1.017	1.000
1/1048576	1.334	1.017	1.000
1/2097152	1.334	1.017	1.000
1/4194304	1.334	1.017	1.000
1/8388608	1.334	1.017	1.000
1/16777216	1.334	1.017	1.000
1/33554432	1.334	1.017	1.000
1/67108864	1.334	1.017	1.000
1/134217728	1.334	1.017	1.000
1/268435456	1.334	1.017	1.000
1/536870912	1.334	1.017	1.000
1/1073741824	1.334	1.017	1.000
1/2147483648	1.334	1.017	1.000
1/4294967296	1.334	1.017	1.000
1/8589934592	1.334	1.017	1.000
1/17179869184	1.334	1.017	1.000
1/34359738368	1.334	1.017	1.000
1/68719476736	1.334	1.017	1.000
1/137438953472	1.334	1.017	1.000
1/274877906944	1.334	1.017	1.000
1/549755813888	1.334	1.017	1.000
1/1099511627776	1.334	1.017	1.000
1/2199023255552	1.334	1.017	1.000
1/4398046511104	1.334	1.017	1.000
1/8796093022208	1.334	1.017	1.000
1/17592186044416	1.334	1.017	1.000
1/35184372088832	1.334	1.017	1.000
1/70368744177664	1.334	1.017	1.000
1/140737488355328	1.334	1.017	1.000
1/281474976710656	1.334	1.017	1.000
1/562949953421312	1.334	1.017	1.000
1/1125899906842624	1.334	1.017	1.000
1/2251799813685248	1.334	1.017	1.000
1/4503599627370496	1.334	1.017	1.000
1/9007199254740992	1.334	1.017	1.000
1/18014398509481984	1.334	1.017	1.000
1/36028797018963968	1.334	1.017	1.000
1/72057594037927936	1.334	1.017	1.000
1/144115188075855872	1.334	1.017	1.000
1/288230376151711744	1.334	1.017	1.000
1/576460752303423488	1.334	1.017	1.000
1/1152921504606846976	1.334	1.017	1.000
1/2305843009213693952	1.334	1.017	1.000
1/4611686018427387904	1.334	1.017	1.000
1/9223372036854775808	1.334	1.017	1.000
1/18446744073709551616	1.334	1.017	1.000
1/36893488147419103232	1.334	1.017	1.000
1/73786976294838206464	1.334	1.017	1.000
1/147573952589676412928	1.334	1.017	1.000
1/295147905179352825856	1.334	1.017	1.000
1/590295810358705651712	1.334	1.017	1.000
1/118059162071			

ALFMA(1) = -7.959 BETAD(2) = 4.989

SECTION : DANGER ZONE  
CROSS-SECTION VARIABLE C3

Year	1990	1991	1992	1993	1994
1990	2,990	3,640	4,270	5,340	7,070
1991	3,000	3,650	4,280	5,350	7,080
1992	3,010	3,660	4,290	5,360	7,090
1993	3,020	3,670	4,300	5,370	7,100
1994	3,030	3,680	4,310	5,380	7,110

$\nu/\text{cm}^{-1}$	-0.676	-0.760	-0.842	-1.317	-1.576	-1.7164	-1.9596
0.20				-1.6810	-1.7333	-1.4819	-1.0819
0.20			-1.5456				
0.45		-0.0619					
0.66			-1.5172				
0.83	-0.0915			-0.0806	-1.4933	-1.3680	-1.0353
0.90						-1.6325	

1.000	-0.0795		
0.999			
0.998	-0.0081		
0.997		-0.4683	-0.4442
0.996	-0.1372		
0.995			
0.994		-0.3504	
0.993	-0.0586		
0.992			
0.991	-0.2946		
0.990		-0.3610	-0.2263
0.989			
0.988		-0.3793	-0.0169

27	-1279	-2060	-2931	-3349	-3422
28			-2096		
29	-2692		-3333	-3399	
30		-3362			
31					-3324

[illegible]

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(081L41)

LOWER WING

ARC11-716 1A14 01+112+512+825

ALPHA (1) = -7.950 BETA (2) = 4.000

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B -7.950 .3640 .4270 .5340 .6730 .7800 .8870 .0070

Y/CW

.057 -.3530  
 .065 -.4017  
 .070 -.3467  
 .075 -.2340  
 .080 -.2586  
 .085 -.0706  
 .090 -.0931  
 .095 -.1416  
 .100 -.0000  
 .105 -.1416  
 .110 -.2207

ALPHA (1) = -7.970 BETA (3) = 0.150

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B -7.970 .3640 .4270 .5340 .6730 .7800 .8870 .0070

Y/CW

.057 -.0635  
 .065 -.0644  
 .070 -.0725  
 .075 -.3579  
 .080 -.1474  
 .085 -.1469  
 .090 -.1469  
 .095 -.1469  
 .100 -.1469  
 .105 -.1469  
 .110 -.1469  
 .115 -.1469  
 .120 -.1469  
 .125 -.1469  
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 .740 -.1469  
 .745 -.1469  
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 .755 -.1469  
 .760 -.1469  
 .765 -.1469  
 .770 -.1469  
 .775 -.1469  
 .780 -.1469  
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 .805 -.1469  
 .810 -.1469  
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 .855 -.1469  
 .860 -.1469  
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 .870 -.1469  
 .875 -.1469  
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 .955 -.1469  
 .960 -.1469  
 .965 -.1469  
 .970 -.1469  
 .975 -.1469  
 .980 -.1469  
 .985 -.1469  
 .990 -.1469  
 .995 -.1469  
 1.000 -.1469





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 9

LOWER WING

1A14A

ARC11-716 1A14 01-112+312H25

ALPHA( 2 ) = -4.050 BETA( 1 ) = -0.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7000
.8870		
.700	-.2005	-.3297
.725		-.3435
.750		-.4013
.760	-.3604	-.3410
.775		-.5267
.808	-.5286	-.4179
.834	-.4163	
.850		-.3771
.857	-.3870	-.3072
.865	-.4812	-.2704
.900	-.3879	-.2562
.905	-.2807	-.1792
.950	-.0939	-.0601
.953	-.1276	.0000
.965	-.1855	

ALPHA( 2 ) = -4.050 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7000
.8870		
.000	.0101	.2679
.020		.2713
.030		.1692
.040	-.2448	.0469
.048		.1029
.050	-.2993	-.7841
.060		-1.1300
.085	-.2533	-1.2510
.086	.0204	-1.4030
.094		
.150	-.1035	-.4634
.163		-.3993
.177	-.0290	-.7669
.177	-.2132	
.229	-.0097	-.2686
.246	-.1840	-.3084
.250		-.3603
.274	-.1061	-.3876
.362	-.0411	-.2125
.390	-.1631	-.2707
.400		-.2879
.402		-.3361
.497	-.1679	-.1833
		-.2454
		-.2624
		-.1556



DATE 11 JAN 75 TABULATED PRESSURE DATA - IA144 - VOL. 5

(RBIL41)

LOWER WING

ARC11-716 IA14 OT+T12+S12N25

ALPHA( 2 ) = -4.050 BETA( 2 ) = -4.920

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.530							
.563							
.600							
.630							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.963							

ALPHA( 2 ) = -4.050 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL41)

LOWER WING

ARC11-716 1A14 01-T12-S12N25

ALPHA( 2 ) = -4.030 BETA( 3 ) = .030

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.390 -.1083  
 .400 -.2102 -.2672 -.2791  
 .402 -.1945  
 .497 -.1870  
 .550 -.2776 -.3012  
 .565 -.2737  
 .600  
 .650 -.3080  
 .700 -.2942  
 .725 -.3432  
 .750 -.4065 -.3573  
 .780 -.3406  
 .775 -.5289 -.4270  
 .808 -.4772  
 .834 -.3612 -.3223 -.2726  
 .850  
 .857 -.3572  
 .865 -.3953  
 .900 -.2439  
 .905 -.0684  
 .950 -.0910  
 .953 -.0000  
 .965 -.1223  
 .1926

ALPHA( 2 ) = -3.950 BETA( 4 ) = 4.070

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0634 .1320 .0817 -.0634 -.2149 -.1314  
 .020 -.0607 -1.2290 -1.4260 -1.9340  
 .030 -.2208  
 .040 .0167  
 .046 -.2790  
 .050 -.5055 -.6835 -.7737 -.8265  
 .060 -.4339  
 .066 -.2684  
 .085 -.0219  
 .086  
 .094 -.0997  
 .150 -.3134 -.3310 -.4189 -.4343  
 .163  
 .177 -.2581  
 .229 -.0409



DATE 11 JAN 75 TABULATED PRESSURE DATA - TA14A - VOL. 5

(RBIL41)

LOWER WING

ARC11-716 TA14 O1+T12+S12R25

ALPHA( 2 ) = -3.950 BETA( 4 ) = 4.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.246	-.1988	
.250		-.2631
.274		-.3050
.362	-.0707	-.3204
.390		-.3635
.400	-.2062	
.402		-.2242
.497	-.2019	-.2764
.550		-.2769
.565		
.600		-.2242
.650		-.2772
.700	-.3054	-.3068
.725		-.2938
.750		-.2772
.760		-.2772
.775		-.2772
.808		-.2772
.834	-.3340	-.2772
.850		-.2772
.857		-.2772
.865	-.3754	-.2772
.900	-.3252	-.2772
.905		-.2772
.930		-.2772
.933		-.2772
.965	-.2108	-.2772

ALPHA( 2 ) = -3.950 BETA( 5 ) = 8.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.246	-.1988	
.250		-.2631
.274		-.3050
.362	-.0707	-.3204
.390		-.3635
.400	-.2062	
.402		-.2242
.497	-.2019	-.2764
.550		-.2769
.565		
.600		-.2242
.650		-.2772
.700	-.3054	-.3068
.725		-.2938
.750		-.2772
.760		-.2772
.775		-.2772
.808		-.2772
.834	-.3340	-.2772
.850		-.2772
.857		-.2772
.865	-.3754	-.2772
.900	-.3252	-.2772
.905		-.2772
.930		-.2772
.933		-.2772
.965	-.2108	-.2772

(RB1L41)

LOWER WING

ALPHA( 2 ) = -3.950 BETA( 5 ) = 0.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.563							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA( 3 ) = -.310 BETA( 1 ) = -0.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(R01L41)

LOWER WING

ARC11-716 IAL14 01+112+512H23

ALPHA (3) = -.310 BETA (1) = -.040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.080			-.1619			
.085			-.0598				
.086		.1379					
.094	-.0343						
.150			-.1049	-.1068	-.1438	-.1728	
.163		.1001					
.177			-.0737				
.229	.0606						
.24		-.0497					
.253			-.0922	-.1361	-.1456	-.2050	
.274			-.0722				
.362	.0482						
.390		-.0626					
.400				-.1055	-.1648		-.1739
.472			-.0802				
.497	-.0593			-.2109	-.2277		
.553			-.2284				
.565							
.600							
.650					-.2638		-.2343
.700	-.2592			-.3129			
.725			-.3308				
.750					-.3926	-.3264	
.760			-.3437	-.5062	-.4102		
.775			-.5087				
.808							
.834	-.4083			-.3662	-.3150	-.2829	
.850			-.3724				
.857							
.865	-.4657			-.2555			-.2012
.900	-.3711		-.2692	-.0618			
.905				-.0898		.0000	
.930							
.933			-.1214				
.965	-.1660						

(RBL41)

LOWER WING

ALPHA( 3 ) = -.320 BETA( 2 ) = -4.020

SECTION / LOWER WING		DEPENDENT VARIABLE CP	
Y/B	X/CW		
.2990	.3640	.4270	.5340 .6750 .7800 .8870
.000	.0000	.0652	.3332 .4564 .4302 .3807 .4220
.020			-.3336 -.4338 -.4927 -.5496
.030		.0933	
.040		.1586	
.048		-.1946	
.050	-.0439	-.2487	-.3125 -.3549 -.4070
.080		-.2187	
.085		-.1076	
.085	.0966		
.094	-.0735		
.150		-.1531	-.1579 -.1960 -.2122
.163	.0595		
.177		-.1108	
.229	.0258		
.245	-.0955		
.250		-.1310	-.1749 -.1787 -.2356
.274		-.1076	
.362	.0131		
.390	-.1020		
.400		-.1331	-.1899 -.1994
.402		-.1123	
.497	-.0994		
.550		-.2317	-.2452
.565		-.2396	
.600			-.2516
.650			-.2756
.700	-.2775	-.3254	
.725		-.3288	
.750			-.4013 -.3405
.760		-.3286	
.775		-.5020	-.4121
.808		-.4880	
.834	-.3746		
.850		-.3620	-.3159 -.2810
.857		-.3595	
.865	-.4429		
.900	-.3513	-.2484	-.1974
.905		-.2644	-.0629
.950		-.0884	.0000
.953		-.1165	
.965	-.1725		



(8311.41)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA (3) 0 -0.320 BETA (3) 0 .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0335	.0269	.2848	.3790	.3344	.2811	.3254
.020				-.3989	-.3257	-.5873	-.6643
.030			.0169				
.040		.0773					
.048			-.1290				
.050	-.0722			-.2780	-.3574	-.4096	-.4652
.080				-.2500			
.085				-.1405			
.086		.0706					
.094	-.0844						
.150				-.1861	-.1893	-.2319	-.2551
.163		.0391					
.177		-.1452					
.229	-.0005						
.246		-.1209					
.253				-.1557	-.2001	-.2122	-.2636
.274			-.1349				
.362	-.0037						
.393		-.1232					
.400				-.1519	-.2024		-.2175
.402			-.1396				
.497	-.1164						
.550				-.2385	-.2631		
.565			-.2378				
.600							-.2563
.650					-.2853		
.700	-.2502			-.3204	-.3378		
.725							
.750			-.3285			-.4008	-.3494
.760				-.5126	-.4242		
.775			-.4729				
.808							
.834	-.3349						
.850				-.3620	-.3203	-.2885	
.857			-.3556				
.865	-.3968						
.900	-.3378			-.2533			-.1937
.905			-.2649	-.0629			
.950				-.0939		.0000	
.955			-.1237				
.965	-.1885						

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DATE 11 JAN 75

TABULATED PRESSURE DATA - IA16A - VOL. 3

(ROLL 41)

LOWER WING

ARC11-716 IA16 OL712+512N25

ALPHA( 3 ) = -.350 BETA( 4 ) = 4.060

DEPENDENT VARIABLE CP

SECTION ( 3 ) LOWER WING

Y/W	.2990	.3600	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1110	-.0146	.2307	.3514	.2388	.1887	.2402
.020				-.4279	-.5529	-.6183	-.7018
.030					-.0206		
.040			.0402				
.048				-.1216			
.050	-.0930			-.2911	-.3816	-.4317	-.4858
.080					-.2699		
.085							
.086							
.094		.0472					
.150				-.2074	-.2101	-.2522	-.2700
.163			.0217				
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.432							
.497							
.550							
.565							
.600							
.630							
.700							
.724							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

X/CW

.000

.020

.030

.040

.048

.050

.080

.085

.086

.094

.150

.163

.177

.229

.246

.250

.274

.362

.390

.400

.432

.497

.550

.565

.600

.630

.700

.724

.750

.760

.775

.808

.834

.850

.857

.865

.900

.905

.950

.955

.965



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A164 - VOL. 5

(801L41)

LOWER WING

ARC11-716 1A14 01+112+512+25

ALPHA(3) = -.330 BETAD (5) = 0.140

SECTION 1 (LOWER WING)

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000 -.1923 -.0371 .0946 .2386 .1513 .0925 .1471  
.020 .020 .020 .020 .020 .020 .020 .020.030 .030 .030 .030 .030 .030 .030 .030  
.040 .040 .040 .040 .040 .040 .040 .040.050 .050 .050 .050 .050 .050 .050 .050  
.060 .060 .060 .060 .060 .060 .060 .060.070 .070 .070 .070 .070 .070 .070 .070  
.080 .080 .080 .080 .080 .080 .080 .080.090 .090 .090 .090 .090 .090 .090 .090  
.100 .100 .100 .100 .100 .100 .100 .100.110 .110 .110 .110 .110 .110 .110 .110  
.120 .120 .120 .120 .120 .120 .120 .120.130 .130 .130 .130 .130 .130 .130 .130  
.140 .140 .140 .140 .140 .140 .140 .140.150 .150 .150 .150 .150 .150 .150 .150  
.160 .160 .160 .160 .160 .160 .160 .160.170 .170 .170 .170 .170 .170 .170 .170  
.180 .180 .180 .180 .180 .180 .180 .180.190 .190 .190 .190 .190 .190 .190 .190  
.200 .200 .200 .200 .200 .200 .200 .200.210 .210 .210 .210 .210 .210 .210 .210  
.220 .220 .220 .220 .220 .220 .220 .220.230 .230 .230 .230 .230 .230 .230 .230  
.240 .240 .240 .240 .240 .240 .240 .240.250 .250 .250 .250 .250 .250 .250 .250  
.260 .260 .260 .260 .260 .260 .260 .260.270 .270 .270 .270 .270 .270 .270 .270  
.280 .280 .280 .280 .280 .280 .280 .280.290 .290 .290 .290 .290 .290 .290 .290  
.300 .300 .300 .300 .300 .300 .300 .300.310 .310 .310 .310 .310 .310 .310 .310  
.320 .320 .320 .320 .320 .320 .320 .320.330 .330 .330 .330 .330 .330 .330 .330  
.340 .340 .340 .340 .340 .340 .340 .340.350 .350 .350 .350 .350 .350 .350 .350  
.360 .360 .360 .360 .360 .360 .360 .360.370 .370 .370 .370 .370 .370 .370 .370  
.380 .380 .380 .380 .380 .380 .380 .380.390 .390 .390 .390 .390 .390 .390 .390  
.400 .400 .400 .400 .400 .400 .400 .400.410 .410 .410 .410 .410 .410 .410 .410  
.420 .420 .420 .420 .420 .420 .420 .420.430 .430 .430 .430 .430 .430 .430 .430  
.440 .440 .440 .440 .440 .440 .440 .440ORIGINAL PAGE IS  
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(R01L41)

LOWER WING

ALPHA( 4) = 4.130 BETA( 1) = -0.050

SECTION ( 1) LOWER WING DEFENDENT VARIABLE CF

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0027	.0109	.3339	.3454	.5081	.4165	.4053
.020			.2739	.1511	.1675	.2185	.2334
.030		.1989					
.040			.1536				
.050	.0390			.0788	.1019	.0983	.0803
.060			.0977	.0418			
.085		.2188					
.086							
.094	.0071			.0359	.0668	.0429	.0151
.150		.2030					
.163			.0430				
.177							
.229	.1065						
.246		.0320		.0187	-.0120	-.0105	-.0759
.250			.0270				
.274	.1272						
.362		.0228					
.390			-.0105	-.0283	-.0758		-.0910
.400							
.492				-.1595	-.1739		
.497	.0183						
.550			-.1696				
.565							
.600							
.650							
.700	-.2087			-.3065	-.2329		
.725							
.750							
.760							
.775				-.3223	-.3742	-.3076	
.808				-.5128	-.3991		
.834				-.5037			
.850	-.3911						
.857				-.3627	-.3309	-.3043	
.865							
.866							
.900	-.4566						
.903	-.3628						
.955				-.2757			-.2294
.955				-.2764	-.0870		
.950				-.0995			.0000
.953							
.965	-.1532			-.1247			



DATE 11 JAN 75

LOWER WING

ARC11-716 1A14 31.112+512125

ALPHA( 4 ) = 4.133      BETA( 2 ) = -4.519

SECTION 110056 WING  
DEPENDENT VARIABLE CF

Y/R	Y/CW	2990	3640	4270	5340	6750	7800	8870
000	-0000							
020	-0063	3076	4099	4774	4057	3707	3707	
030	-0635	2094	0635	0717	1194	1416		
040	-1522	0922	0122	0277	0305	0116		
050	-0129	0423	-0171					
060								
080	-0344	1725	0097	0250	0097	-0195		
090	-0344	1572	-0043					
100								
120	0607	0040	-0221	-0464	-0420	-1112		
130	0607	0040	-0102					
140	-0073	-0105	-0530	-1011		-1171		
150	-0270		-0471					
160			-1745	-1025				
170	-1920				-2370	-2120		
180	-2350		-3046	-2900				
190			-3266		-3006	-3174		
200			-4876	-3956				
210	-3726		-3671	-3246	-2955			
220			-2660	-0055				
230	-4361		-2677	-1010	0000			
240	-3037		-1214					
250								
260	-1561							

DATE 11 JAN 75

TABULATED PRESSURE DATA - TAIL - VOL. 5

(RBL41)

LOWER WING

ARC11-716 TAIL D1+T12+512M25

ALPHA01 (3) = 4.130 BETD (3) = .060

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

V/W	.2995	.3640	.4270	.5340	.6730	.7800	.8870
Z/CW							
.000	-.1136	-.0473	.2680	.4500	.4281	.3639	.3428
.020				-.0187	-.0283	.0247	.0471
.030			.1712				
.040		.1023					
.046			.0486				
.050	-.0507			-.0426	-.0412	-.0443	-.0559
.060			.0947	-.0619			
.085							
.095		.1334					
.094	-.0646			-.0904	-.0177	-.0432	-.0698
.150			.1278				
.163			-.0392				
.177							
.228	.0423	-.0250		-.0584	-.0810	-.0797	-.1519
.236							
.250			-.0483				
.274							
.362	.0370	-.0464		-.0799	-.1291		-.1490
.390							
.400			-.0692	-.1865	-.2091		
.402				-.1970			
.497	-.0487						
.550							
.563							
.600							
.650							
.700	-.2152			-.3092	-.3105	-.2498	-.2294
.725							
.750							
.760							
.775							
.808							
.834	-.3271						
.850							
.857							
.865	-.3767						
.900	-.3171						
.905							
.950							
.953							
.965	-.1606						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 9

(R01L41)

LOWER WING

ARC11-716 1A14 01+112+512+25

ALPMAD (4) = 4.120 BETAD (4) = 4.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7830	.8870
X/CW							
.000	-.1987	-.1287	.2021	.3944	.3680	.3089	.3046
.020				-.0792	-.1013	-.0448	-.0277
.030			.1361				
.040		.0255					
.048			.0164				
.050	-.1061			-.0781	-.0958	-.0943	-.1064
.060				-.0936			
.085			-.0259				
.086		.0799					
.094	-.0879						
.150				-.0852	-.0559	-.0822	-.1029
.153		.0878					
.177			-.0721				
.229	-.0004						
.246		-.0604					
.250				-.0944	-.1160	-.1128	-.1532
.274			-.0845				
.362	.3203						
.390		-.0918					
.400				-.1151	-.1552		-.1589
.402			-.1144				
.497	-.0888			-.2095	-.2272		
.550			-.2245				
.565							
.600							
.650							
.700	-.2565						
.725				-.3078		-.2610	
.750					-.3110		
.760			-.2982			-.3894	-.3378
.775				-.4793	-.4003		
.808			-.4177				
.834	-.3133						
.850				-.3329	-.3198	-.2996	
.857		-.3109					
.865	-.3514						
.900	-.2958			-.2326			-.2171
.905			-.2322		-.0685		
.950				-.0835		.0000	
.955			-.1110				
.965	-.1757						

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

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(R01141)

LOWER WING

ARC11-716 1A14 OL+T12+312N23

ALPHA(4) = 4.110 BETA(5) = 0.150

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.3127 -.1159 .0440 .2958 .3112 .2656 .2735

.020 .0200 -.0721 .0483 -.1107 -.1987 -.1445 -.1089

.040 .048 .0111 -.1027 -.1631 -.1575 -.1607

.060 .068 .0172 -.1172

.080 .086 -.0373

.100 .1049

.120 .1176

.140 .1594

.160 .150

.180 .163

.200 .177

.220 .229

.240 .246

.260 .250

.280 .274

.300 .362

.320 .390

.340 .400

.360 .402

.380 .497

.400 .550

.420 .565

.440 .600

.460 .650

.480 .700

.500 .725

.520 .750

.540 .760

.560 .775

.580 .808

.600 .834

.620 .850

.640 .857

.660 .865

.680 .900

.700 .905

.720 .950

.740 .955

.760 .965

.780 .965

.800 .965

.820 .965

.840 .965

.860 .965

.880 .965

.900 .965

.920 .965

.940 .965

.960 .965



ALPHA( 5) = 7.999      BETA( 1) = -8.999

2014 0307 (1) NC11235

DEPENDENT VARIABLE CF

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0715	-.1033	.2378	.4497	.2978	.0971	-.0225
.020				.3892	.4454	.5029	.4904
.030		.2085	.3849				
.040			.2688				
.048				.2549	.3262	.3446	.3218
.050	.0550		.1881				
.080			.1947				
.085		.2598					
.086							
.094	.0339						
.150		.2578	.1132	.1461	.2038	.2012	.1623
.163							
.177	.1369						
.246		.1079					
.250				.0909	.0974	.1042	.0574
.274	.1624		.0804				
.362		.0646					
.390				.0257	.0022		-.0152
.400			.0275				
.402	.0612						
.497							
.553			-.1551	-.1180	-.1063		
.565						-.1857	-.1670
.600				-.2557			
.650				-.2730			
.700	-.1878						
.725							
.750			-.3020			-.3326	-.2754
.760				-.4572	-.3583		
.775			-.4790				
.808							
.834	-.3728						
.850				-.3338	-.3085	-.2857	
.857			-.3421				
.865	-.4300			-.2625	-.0845		-.2552
.900	-.3286		-.2608				
.905				-.0939		.0000	
.930							
.933			-.1220				
.963	-.1241						

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(881L41)

LOWER WING

TABULATED PRESSURE DATA - IA14A - VOL. 5

DATE 11 JAN 75

ARC11-716 IA14 01+712+512N25

ALPHAC(3) = 0.000 BETAC(3) = .010

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1939	-.1734	.1876	.4206	.3091	.1199	-.0128
.020				.2089	.2687	.3564	.3544
.030			.0962	.2713			
.040							
.048			.1478				
.050	-.0339			.1231	.1830	.2112	.2036
.060				.0695			
.085			.0966				
.086			.1687				
.094	-.0487						
.150				.0430	.1113	.1117	.0737
.163		.1793					
.177			.0299				
.229	.0604						
.246		.0331					
.250				.0120	.0189	.0329	-.0135
.274			.0134				
.362	.0961						
.390	.0008			-.0325	-.0378		-.0739
.402			-.0292				
.497	-.0037			-.1520	-.1522		
.550							
.565			-.1691				
.600							
.650							-.1930
.700	-.1985			-.2388			
.725				-.2724			
.750				-.2804			
.760			-.2934				
.775				-.4613	-.3649		
.808			-.4404				
.834	-.3156						
.850				-.3362	-.3040	-.2912	
.857			-.3167				
.865	-.3641						
.900	-.2954			-.2412			-.2374
.905			-.2344		-.0843		
.950				-.0789		.0000	
.953			-.0480				
.965	-.1365						

ORIGINAL PAGE 5  
OF POOR QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881L41)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( 5) = 7.870 BETA( 4) = 0.160

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4370	-.2834	-.1132	.2356	.2941	.1666	.0383
.020				.0731	.0757	.1775	.2169
.030			.0688				
.040		-.1241					
.048			.0440				
.050	-.2246			.0203	.0316	.0712	.0841
.080				-.0091			
.085			.0357				
.086		-.0194					
.094	-.1673						
.150				-.0376	.0106	.0153	-.0022
.163		.0512					
.177			-.0134				
.229	-.0437						
.246		-.0148					
.250				-.0608	-.0658	-.0347	-.0603
.274			-.0459				
.362	.0145						
.390		-.0325					
.400				-.0988	-.1082		-.1075
.402			-.0858				
.497	-.0633						
.550				-.1809	-.1789		
.565		-.1933					
.600						-.1986	
.650				-.2762		-.2243	
.700	-.2355			-.2526			
.725						-.3409	-.2979
.750			-.2548				
.760				-.3493	-.3472		
.775		-.3200					
.808							
.834	-.2851			-.2546	-.2803	-.2734	
.850			-.2468				
.857							
.865	-.3110						-.2114
.900	-.2654			-.1829	-.0699		
.905			-.1911				
.950				-.0782		.0000	
.955			-.1031				
.965	-.1565						



# PARAMETRIC DAYA

MACH	3	.750	ELEVON	3	.000
BUJER	3	.000	SPARK	3	.000

## REFERENCE DATA

SWEEP :	8.4810	53.67	YARE :	20.0000	INCHES
REF :	30.7000	INCHES	YARE :	.0000	INCHES
SWEEP :	30.7000	INCHES	ZARE :	.0000	INCHES
SCALE :		.0000	SCALE :		

ALPHA: 1) = -7.993 BETA: ( 1) = -0.093

SECTION 110000 - PAINTING

DEPENDENT VARIABLE CP

Y/84	.2090	.3640	.4270	.5340	.5730	.7800	.8870
X/CW	.0319	.0219	.2112	.2041	.0809	-.0302	.0477
.020			-1.3920	-1.3900	-1.0970	-.9744	
.030			-.4602				
.040		-.0340					
.050		-.4435					
.060	-.0760		-.6359	-1.1979	-1.0380	-.6559	
.085			-.5282				
.085			-.3501				
.086		-.0166					
.094	-.1059						
.115		-.0493		-.3335	-.4602	-1.0080	-.8203
.163			-.2731				
.177							
.229	.0074						
.246	-.2094			-.2343	-.2945	-.6350	-.7750
.250			-.1904				
.274	-.0345						
.390		-.1651		-.1604	-.2540		-.6110
.400			-.1370				
.402							
.497	-.1505			-.2710	-.3340		
.550			-.2403				
.565						-.4339	
.600							
.650							
.700	-.2412			-.4301		-.3339	
.725				-.4244			
.750			-.4054			-.3343	-.4330
.760				-.7064	-.5072		
.775			-.6905				
.809							
.834	-.4542						
.850				-.4354	-.4036	-.3790	
.857			-.4455				
.905	-.5032						
.909	-.4716			-.2038			-.2900
.935			-.3041		-.0759		

(RB1L42)

**LOWER WING**

ALPHA( 1 ) = -7.093      BETA( 1 ) = -0.333

SECTION (1) LOWER WING

[illegible]

PC/X

955  
-1191  
.999

933  
-1493

**.963      -.2325**

ALPHA( 1 ) = -7.700 BETA( 2 ) = -3.990

SECTION (1) LOWER WING

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430	2431	2432	2
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Year	1971	1972	1973	1974	1975	1976	1977	1978
1971	1.071	1.077	1.083	1.127	1.036	1.090	1.099	1.099

0.920 -1.4530 -1.2730 -1.2200 -.9255

035  
- .5326

.343      -.2574

540 - .4920

.350	-.1950	-.0062	-1.0600	-1.1050	-.0503
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.000      -.6176

.785 - .4504

.786 - .9464

.794 -.1188

.152	-.4125	-.6825	-1.1725	-.7704
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**.153 - .2841**

.177

6229 -.0151

942. - 1292. -

652.

274.

562 - . 275

**.399      -.2228**

499.

207  
-1957

**.497 -.2598**

.559                    -.2002   - .3449

**.565                    -.2790**

-.699  
-.4776

659

.799	-.2655	-.4391
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**.725**

.759	-.5312	-.4996
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.762      -.3959

. 775

159. 6631





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14A - VOL. 5

(R81L42)

LOWER WING

ARC11-716 IAL14 OI+T12+312K25

ALPHA(1) = -7.790 BETA(3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.6068	-.5768		
.806			-.5833				
.834	-.3877			-.4231	-.4007	-.3742	
.850							
.857			-.4085				
.865	-.4767			-.2582			-.3176
.900	-.4214		-.2805	-.0911			
.935				-.1195		.0000	
.950							
.953			-.1529				
.965	-.2535						

ALPHA(1) = -7.790 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0367	-.0331	.0248	-.1359	-.3293	-.4662	-.3551
.020				-.1480	-1.2820	-1.1260	-.9016
.030			-.4433				
.040		-.0185					
.048			-.4510				
.050	-.0707			-1.0010	-1.2170	-1.1270	-.6870
.080				-.6686			
.085			-.4002				
.085		-.0330					
.094	-.0807			-.4645	-1.1090	-1.0970	-.6546
.190							
.163		-.0938					
.177			-.3602				
.229	-.0337						
.246		-.2761		-.3691	-.3556	-.9099	-.8625
.250							
.274			-.3286				
.362	-.0942						
.390		-.2869					
.470				-.2877	-.3266		-.7631
.402			-.2955				
.497	-.2658						
.550				-.3441	-.3898		
.565							
.600			-.3396				-.9716
.650							-.3.24



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5 (R81L42)  
 ARC11-716 1A14 01\*112\*512N25 LOWER WING

ALPHAD (1) = -7.790 BETAD (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.700	-.3653			-.4143		-.5133	-.4474
.725							
.750							
.760							
.775							
.800							
.834	-.3938						
.850							
.857							
.859							
.900	-.4090						
.935							
.950							
.953							
.965	-.2594						

ALPHAD (1) = -7.970 BETAD (5) = 8.160

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.0638	-.0409	.0157	-.1989	-.4433	-.5849	-.4727
.020							
.030							
.040							
.048							
.050	-.1080						
.060							
.085							
.086							
.094	-.1830						
.150							
.163							
.177							
.220	-.0712						
.246							
.250							
.274							
.362	-.1033						
.390							
.400							
.432							
.467	-.2486						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081L42)

LOWER WING

ARC11-716 1A14 01+112+512K25

ALPHA(1) = -7.970 BETA(1) = 0.160

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.390				-.3414	-.3816		
.365				-.3446			
.670						-.3314	-.4100
.700		-.3648			-.4018		
.725				-.3940		-.4936	-.3507
.750							
.760				-.3794	-.6157	-.5160	
.775				-.4828			
.808		-.3717					
.834				-.4041	-.3528	-.3568	
.850				-.3849			
.865		-.4435					-.2825
.900		-.3838		-.2769	-.0932		
.905				-.2978	-.0932	.0000	
.930				-.1394			
.955				-.1906			
.965		-.2891					

ALPHA(2) = -4.020 BETA(1) = -0.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.600		.0561	.1139	.3698	.4414	.3811	.2890
.620					-.6145	-.9372	-1.0300
.630				-.1193			
.640			.1035				
.648				-.1872			
.650		-.0423			-.3558	-.4918	-.5934
.680					-.3140		
.685				-.1635			
.686			.0980				
.694		-.0677					
.700					-.1877	-.2203	-.2888
.765			.0563				
.777				-.1395			
.829		.0438					
.846			-.1107				
.850							
.874					-.1284	-.1904	-.2238
.878					-.1261		
.968							



DATE 11 JAN 75

TABULATED PRESSURE DATA - TAI14A - VOL. 5

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(RBIL42)

LOWER WING

ARC11-716 TAI14 01+T12+512+29

ALPHA (2) = -4.020 BETA (1) = -0.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .8990 .3640 .4270 .5340 .6730 .7000 .8070

X/CW

.390	-.0839					
.420		-.0925	-.1049			-.2563
.432	-.0740					
.497	-.0679					
.550		-.2300	-.2834			
.563	-.2093					
.600						
.650						
.700	-.1066			-.3324		-.2979
.725			-.3926			
.750				-.3010		
.760		-.3033			-.4904	-.4175
.775		-.6500	-.5429			
.800	-.6500					
.834	-.4411					
.850			-.4241	-.3400	-.2793	
.857		-.4277				
.865	-.5621					
.900	-.4461	-.2689				-.1937
.935		-.2865	-.0327			
.950		-.0971			.0000	
.955		-.1343				
.965	-.2104					

ALPHA (2) = -4.030 BETA (2) = -4.030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .8990 .3640 .4270 .5340 .6730 .7000 .8070

X/CW

.000	.0129	.0737	.2979	.3322	.2401	.1372	.1097
.250				-.7404	-1.1440	-1.1000	-1.1020
.300			-.1744				
.400		.0674					
.540		-.2433					
.550	-.0604			-.4271	-.5007	-.7259	-.8665
.580				-.3928			
.585		-.2109					
.586		.0343					
.594	-.0065						
.150				-.2498	-.2051	-.3379	-.4243
.163		.0206					
.177							
.220	.0127						



ALPHAC( 2) = -4.943 BETA( 3) = .343

SECTION 6 LOWER WING

Y/BW	.2990	.3640	.4271	.5340	.6750	.7800	.8870
X/CW							
.150							
.163		.0029					
.177			-.2301				
.229	-.0043						
.246							
.250		-.1761					
.274			-.1943				
.362	-.0233						
.390		-.1714					
.400			-.1634				
.407	-.1331						
.550			-.2557				
.565				-.2802	-.3394		
.600							
.650							
.700	-.2627			-.3871	-.4015	-.3569	-.3176
.725							
.750			-.3668			-.5029	-.4181
.760				-.6405	-.5427		
.775			-.5728				
.808							
.834	-.3573						
.850			-.3984			-.3080	
.897							
.965	-.4375						
.990	-.3819			-.2506	-.0592		-.2037
.995			-.2740				
.999				-.0930		.0000	
.999			-.1341				
.999	-.2163						

$$\text{ALPHA}(2) = -4.949 \quad \text{BETA}(4) = 4.079$$

SECTION ( LOWER WING

Y/BW	.2993	.364C	.427D	.534D	.673D	.760D	.867D
X/CW							
	.000	.019D	.200E	.140S	-.023S	-.117S	-.042E
	.020			-.612E	-1.338D	-1.256D	-1.172D
	.030		-.132E				
	.040	.043S					
	.048		-.234E				
	.050	-.070S		-.489E	-.679E	-.922E	-.982E

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TABULATED PRESSURE DATA - 1A14A - VOL. 3

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(RBIL42)

LOWER WING

ARC11-716 1A14 Q1+T12+512M25

ALPHA(Q1) = -4.040 BETA(Q1) = 4.070

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.080						
.085						
.086						
.094						
.150						
.163						
.177						
.229						
.246						
.250						
.274						
.362						
.390						
.400						
.402						
.497						
.550						
.565						
.600						
.650						
.700						
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.953						
.965						





DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 5

PAGE 2167

(R81L42)

LOWER WING

ARC11-716 IA14 OL+T12+S12N25

ALPHA(2) = -4.040 BETA(3) = 6.130

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .8900 .3640 .4270 .3340 .6730 .7000 .8070

X/CW

.0000 -.1206 -.0230 .1049 .0884 -.1039 -.2240 -.1400

.0200 .0330 -.1617

.0330 .0036

.0400 -.2046

.0460 -.1286

.0500 -.4390 -.6407 -.9270 -.9461

.0550 -.3736

.0600 -.1997

.0660 .0006

.0700 -.1295

.0750 -.0260

.0800 -.2059

.0850 -.0655

.0900 -.1600

.0950 -.2100

.1000 -.2392 -.3113 -.3334 -.3903

.1050 -.2150

.1100 -.2245 -.2770 -.2896

.1150 -.2874

.1200 -.2020 -.3527

.1250 -.3543

.1300 -.3709

.1350 -.3436

.1400 -.4543 -.3954

.1450 -.3432

.1500 -.5100 -.4702

.1550 -.4459

.1600 -.3566 -.3490 -.2974

.1650 -.3673

.1700 -.2402

.1750 -.2840 -.0702

.1800 -.1330

.1850 -.1077

.1900 .0000

.1950 -.1833

.2000 -.2500

(RB1L42)

LOWER WING

TABLE 1. CALCULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+Y12+S12N25

DATE 11 JAN 73

$$\text{ALPHA}(3) = -.329 \quad \text{BETA}(1) = -.069$$

**SECTION / CHAPTER VING**

**DEPENDENT VARIABLE CP**

Y/CM	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CM							
.000	.0390	.1145	.4223	.5616	.5364	.4968	.5202
.020				-.1749	-.2485	-.3088	-.3875
.030			.1235				
.040		.1752					
.048			.0157				
.050	-.0021			-.1321	-.1928	-.2364	-.3121
.080			-.0125	-.1188			
.085		.1657					
.086							
.094	-.0305			-.0662	-.0687	-.1241	-.1713
.150		.1473					
.163			-.0374				
.177							
.246	.0001	-.0170					
.246			-.0290	-.0490	-.1016	-.1251	-.2080
.250							
.274	.0914						
.362		-.0165		-.0562	-.1414		-.1989
.393			-.0309				
.400							
.472							
.497	-.0179			-.2070	-.2560		
.550			-.1931				-.2772
.565						-.3107	
.603				-.3655			
.650				-.3701			
.700	-.1875						
.725						-.5061	-.4150
.750			-.3601				
.760				-.6183	-.5270		
.775			-.6172				
.808							
.834	-.4185			-.4090	-.3537	-.3151	
.850			-.4047				
.857							
.865	-.5272			-.2547	-.0449		-.2228
.903	-.4151		-.2703	-.0793		.0000	
.905							
.950							
.953			-.1217				
.965	-.1835						

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2169

ALPHA( 3 ) = -.340 BETA( 2 ) = -4.010

(RB1L42)

LOWER WING

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0111	.0741	.3690	.4846	.4463	.3986	.4231
.020				-.2915	-.3853	-.4585	-.5308
.030		.0495					
.040		.1292					
.048			-.0532				
.050	-.0423		-.2127	-.2789	-.3355	-.4001	
.060			-.1879				
.085		-.0746					
.086		.1229					
.094	-.0683						
.150			-.1222	-.1340	-.1783	-.2215	
.163		.1031					
.177		-.0924					
.229	.0394						
.246		-.0684					
.250			-.0948	-.1472	-.1714	-.2554	
.274		-.0758					
.362	.0493						
.390		-.0648					
.400			-.0932	-.1680		-.2302	
.402		-.0707					
.497	-.0678						
.550			-.2293	-.2796			
.565		-.2118					
.600							
.650					-.3259	-.2945	
.700	-.2232		-.3782				
.725			-.3640				
.750						-.5000	-.4276
.760		-.3549					
.775		-.6149	-.5341				
.808		-.5904					
.834	-.3930						
.850			-.4095	-.3579	-.3148		
.857		-.3968					
.865	-.4864						
.900	-.3953		-.2579				-.2098
.905		-.2692	-.0458				
.950		-.0886				.0000	
.953		-.1167					
.965	-.1850						

DATE 11 JAN 73

TABULATED PRESSURE DATA - 1A14A - VOL. 3

PAGE 2170

(R81L42)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA(3) = -.340 BETA(3) = .050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0628	.0342	.3180	.4023	.3526	.3036	.3345
.020				-.3606	-.4965	-.5480	-.6334
.030		.0991	.0259				
.040							
.048			-.0826				
.050	-.0704			-.2460	-.3348	-.3973	-.4781
.080				-.2286			
.085			-.1055				
.086		.0975					
.094	-.0769						
.150				-.1654	-.1705	-.2177	-.2631
.163		.0746					
.177			-.1241				
.229	.0174						
.246		-.0899					
.250				-.1311	-.1742	-.2015	-.2020
.274			-.1145				
.362	.0234						
.390		-.0990					
.400				-.1230	-.1904		-.2480
.402			-.1052				
.497	-.0971			-.2360	-.2897		
.550			-.2213				
.565						-.3315	-.3048
.600				-.3615	-.3760		
.650	-.2334						
.700							
.725							
.750							
.760			-.3480				
.775				-.6114	-.5256		
.808			-.5708				
.834	-.3592						
.850				-.4039	-.3509	-.3074	
.857			-.4028				
.865	-.4460						
.900	-.3824			-.2520			-.2000
.905			-.2788		-.0522		
.950				-.0906		.0000	
.953			-.1278				
.965	-.2201						



DATE 11 JAN 75

TABULATED PRESSURE DATA - TAILA - VOL. 5

PAGE 2171

(801142)

LOWER WING

ARC11-716 TAILA OI-712+512N25

ALPHA(3) = -.395 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/W .8990 .3640 .4270 .3340 .6730 .7800 .8070

X/CW

.000	-.1259	-.0191	.2544	.3205	.2519	.2039	.2427
.020				-.3915	-.5504	-.6106	-.6984
.030			.0233				
.040		.0469					
.048			-.0918				
.050	-.0989			-.2755	-.3792	-.4317	-.5139
.060				-.2512			
.065			-.1187				
.066		.0587					
.14	-.0918						
.150		.0471		-.1949	-.2034	-.2527	-.2921
.163			-.1502				
.177							
.229	-.0123						
.246		-.1119					
.250				-.1685	-.2059	-.2295	-.3046
.274			-.1437				
.362	-.0036						
.390		-.1385					
.400			-.1556	-.1539	-.2212		-.2668
.402							
.497	-.1309			-.2574	-.3141		
.550			-.2619				
.565							
.600							
.650							
.700	-.2858				-.3687	-.3367	-.3053
.725			-.3625				
.750						-.4940	-.4241
.760			-.3473	-.5937	-.3261		
.775			-.4937				
.800							
.834	-.3367						
.850				-.3996	-.3597	-.3093	
.897			-.3749				
.865	-.4129						
.900	-.3376			-.2326			-.1853
.905			-.8750	-.0614			
.930				-.1900			.0000
.955			-.1479				
.965	-.2312						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(081L42)

LOWER WING

ARC11-716 1A14 OL+T12+12N23

ALPHA( 3 ) = -.340 BETA( 3 ) = 0.160

SECTION ( 1 ) 1A14A WING DEFENDENT VARIABLE CP

78W	.2890	.3440	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2103	-.0374	.0936	.2310	.1637	.0921	.1471
.020				-.3690	-.5791	-.6763	-.7509
.030				-.0062			
.040		-.0393					
.046			-.0702				
.050	-.1725			-.2447	-.3891	-.4669	-.5079
.060				-.2285			
.085			-.0991				
.066		-.0038					
.094	-.1530						
.150		.0085		-.1816	-.2147	-.2728	-.3143
.163							
.177			-.1301				
.229	-.0393						
.246		-.1033		-.1701	-.2244	-.2429	-.3100
.250							
.274	-.0289		-.1429				
.362		-.1415					
.390				-.1804	-.2293		-.2694
.400							
.402			-.1693				
.437	-.1370			-.2371	-.2993		
.550			-.2330				
.563						-.3163	-.2898
.600					-.3444		
.650				-.3312		-.4414	-.3926
.700	-.2815						
.723							
.750			-.3148	-.4739	-.4383		
.760							
.775			-.4154				
.808							
.834	-.3343			-.3243	-.3208	-.2837	
.850			-.3439				
.857							
.865	-.3793						-.1396
.900	-.3387			-.2336			
.908			-.2750	-.0726			.0000
.930				-.1246			
.933			-.1693				
.965	-.2331						





DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R01L42)

ARC11-716 IA14 01\*12+512N25

ALPHA=01 4) = 4.810 BETA= ( 2) = -4.030

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.0624	.0076	.3606	.3399	.4972	.4191	.3792
.020				.0916	.0950	.1524	.1576
.030			.2489				
.040		.1708					
.048			.1216				
.050	-.0136			.0407	.0572	.0531	.0177
.080				.0146			
.085			.0809				
.086		.1957					
.094	-.0310			.0216	.0501	.0213	-.0291
.150		.1943					
.163			.0260				
.177							
.229	.0834						
.246		.0341		.0139	-.0193	-.0311	-.1324
.250			.0207				
.274							
.362	.1182	.0191		-.0142	-.0845		-.1465
.390			-.0916				
.400							
.402							
.497	.0159			-.1711	-.2171		
.550							
.565			-.1653				
.600							
.650							
.700	-.1732			-.3480	-.3506	-.2930	
.725							
.750			-.3392				
.760				-.6104	-.5377		
.775			-.6310				
.808							
.834	-.3864						
.850							
.857			-.4025				
.865	-.4869						
.900	-.3884						
.905			-.2696	-.2608	-.0722		-.2677
.950							
.955			-.1132	-.0935		.0000	
.965	-.1739						





DATE 11 JAN 75 TABULATED PRESSURE DATA - LALCO - VOL. 3

(R01.42)

LOWER WING

ARC11-716 IATA 01-112-512N25

ALPHA(4) = 4.210 BETA(3) = .030

SECTION (LOWER WING) DEPENDENT VARIABLE CP

Y/BW	.2990	.3660	.4270	.5340	.6730	.7900	.8870
X/CW							
.000	-.1213	-.0449	.3193	.4824	.4454	.3706	.3330
.020				.0161	-.0035	.0307	.0642
.030			.2031				
.040		.1211					
.048			.0816				
.050	-.0327			-.0168	-.0250	-.0214	-.0567
.060				-.0352			
.085			.0403				
.096		.1584					
.094	-.0547						
.150				-.0267	-.0009	-.0381	-.0837
.163		.1598					
.177			-.0086				
.229	.0317						
.246		.0708					
.250				-.0322	-.0587	-.0756	-.1593
.274			-.0189				
.362	.0882	-.0183					
.390				-.0514	-.1183		-.1858
.400							
.402			-.0331				
.497	-.0160			-.1907	-.2392		
.550							
.565			-.1835				
.620							
.810							
.700	-.2031			-.3610		-.3037	-.2802
.725				-.3458			
.750						-.5076	-.4385
.760			-.3311				
.775				-.6011	-.3360		
.878			-.5377				
.834	-.3523						
.850				-.4096	-.3935	-.3581	
.857			-.3820				
.865	-.4367						
.900	-.3713			-.2598			-.2374
.905			-.2638		-.0600		
.950				-.0871		.0000	
.955			-.1150				
.965	-.1864						

(R81L42)

LOWER WING

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 OL+T12+S12M25

ALPHA(4) = 4.205 BETA(4) = 4.090

DEPENDENT VARIABLE CP

SECTION 1 LOWER WING

Y/BW .2990 .3540 .4270 .5340 .6750 .7850 .8870

X/CW

.000	-.2121	-.1276	.2331	.4138	.3796	.3177	.2940
.020				-.0495	-.0891	-.0327	-.0153
.030		.0217					
.040			.0319				
.050	-.0992			-.0350	-.0819	-.0847	-.1072
.060				-.0797			
.085			-.0935				
.086		.0978					
.094	-.0826						
.150		.1115		-.0693	-.0384	-.0737	-.1221
.177			-.0472				
.229	.0083						
.246		-.0339					
.250				-.0779	-.1042	-.1068	-.1720
.274		-.0650					
.352	.0410						
.390		-.0665		-.0932	-.1523		-.2017
.400							
.402		-.0940					
.487	-.0649			-.2182	-.2609		
.550		-.2224					
.565							
.600							
.650							
.700	-.2938			-.3636		-.3097	-.2764
.725				-.3476			
.750							
.760		-.3293					
.775				-.5750	-.5180		
.808		-.4811					
.834	-.3459						
.850				-.3787	-.3724	-.3472	
.857		-.3489					
.865	-.3878						
.900	-.3274			-.2386			-.2389
.905		-.2439		-.0555			
.930				-.0793			.0000
.935		-.1195					
.965	-.1999						



DATE 1 JAN 78

(RB1, 42)

5114 BANC

ARCI1-716 1A14 11+112.512.25

ALPHA(4) = 4.192 BETA(5) = 0.160

INDEPENDENT VARIABLE: C0  
SHAPE: RECTANGULAR, METHOD: 3

1986	.2990	.3640	.4270	.5340	.6730	.7000	.0070
------	-------	-------	-------	-------	-------	-------	-------

WJX

.00C	-.3238	-.1371	.0294	.2797	.3266	.2754	.2655
.029				-.0396	-.1837	-.1262	-.1023
.032			.0598				
.040		-.0603					
.046			.0977				
.050	-.2577			-.0672	-.1495	-.1490	-.1689
.053				-.0790			
.065			-.0072				
.086		.0018					
.094	-.1626						
.103		.0362		-.0873	-.0849	-.1182	-.1598
.163			-.0564				
.177							
.229	-.0454						
.246		-.0482					
.250				-.1030	-.1350	-.1367	-.1911
.274			-.0813				
.362	-.0016						
.393		-.0839					
.407				-.1265	-.1751		-.2093
.432			-.1180				
.497	-.0884						
.550				-.2136	-.2534		
.565			-.2245				-.2761
.600							
.650							
.700	-.2596			-.2988		-.4423	-.4037
.725					-.3288		
.750			-.2937				
.769				-.4163	-.4190		
.775			-.3758				
.808							
.834	-.3228						
.855				-.2857	-.3147	-.3094	
.857			-.2961				
.865	-.3625						
.900	-.3131			-.1884	-.0648		-.2120
.935			-.2269				
.952				-.0929		.0000	
.953			-.1244				
.955	-.2045						

(R81742)

LOWER WING

TABLE 11 JAN 79  
TRANSLATED PRESSURE DATA - 1414A - VOL. 5

ARCH-716 1A14 Q1-712+312M23

$$\Delta \text{E}(\text{AO}(1)) = 0.070 \quad \Delta \text{E}(\text{AO}(1)) = -0.090$$

SECTION 1 LOWER WING

T/R	2.992	.3640	.4270	.5340	.6730	.7600	.8870
1/Cu							
.000	-.0628	-.0972	.3322	.3476	.4213	.2377	.1705
.025				.3909	.4426	.5036	.4728
.050			.4085				
.075		.2348					
.100			.2036				
.125	.0518			.2658	.3303	.3402	.3062
.150			.2151	.2017			
.175	.2845						
.200		.2845		.1648	.2271	.2174	.1502
.225	.0361		.1371				
.250		.1330		.1220	.1227	.1179	.0381
.275	.1523		.1153				
.300		.1020					
.325	.1920		.0769	.0605	.0125		-.0429
.350							
.375	.1002			-.1113	-.1347		
.400			-.1203				-.2223
.425					-.3142	-.2441	
.450	-.1090			-.3248			
.475			-.3363			-.4510	-.3623
.500				-.3748	-.4774		
.525			-.3910				
.550	-.3988						
.575			-.3883	-.4214	-.4198	-.4174	
.600							
.625	-.4043			-.2870	-.1163		-.3389
.650	-.3667		-.2722	-.0945		.0000	
.675							
.700			-.1166				
.725	-.1090						
.750							
.775							
.800							
.825							
.850							
.875							
.900							
.925							
.950							
.975							
1.000							

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL42)

LOWER WING

ARC11-716 1A14 01812-512N25

ALPHA (°) = 8.000 BETA (°) = -3.990

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8670

X/CW

.000	-.1262	-.0939	.2971	.5214	.4061	.2332	.1303
.020			.2959	.3577	.4338	.4073	
.030		.3446					
.040		.1730					
.048			.2195				
.050	.0006			.1884	.2625	.2832	.2476
.080				.1323			
.085			.1345				
.086		.2324					
.094	-.0084						
.150			.1100	.1767	.1680	.1095	
.163		.2412					
.177			.0893				
.229	.1041						
.246		.0865		.0769	.0762	.0790	.0041
.250			.0703				
.274							
.362	.1510	.0613		.0236	-.0168		-.0717
.390							
.400							
.402							
.497	.0326		.0348				
.550				-.1399	-.1523		
.565							
.600			-.1445				-.2279
.650					-.2464		
.700	-.1559			-.3230	-.3140		
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 11 JAN 73 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(R81L42)

LOWER WING

ARC11-716 IAI4 01+112+512N25

ALPHA( 5 ) = 7.975 BETA( 3 ) = .05C

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.1985	-.1629	.2431	.4686	.3848	.2229	.1049
.020			.2856	.2039	.2623	.3486	.3308
.030		.1089					
.040			.1628				
.048				.1224	.1799	.2121	.1772
.050	-.0564			.0753			
.080			.1092				
.085							
.086		.1793					
.094	-.0418			.0589	.1234	.1159	.0493
.150			.2031				
.163			.0443				
.177		.0762					
.229		.0493					
.246				.0308	.0280	.0324	-.0449
.250			.0304				
.274		.1182					
.362		.0208					
.390				-.0110	-.0567		-.1059
.400			-.0013				
.402							
.497	.0193			-.1620	-.1922		
.550							
.565			-.1691				
.600							
.650							
.700	-.1743						
.725				-.3235			
.750							
.760			-.3147				
.775				-.5661	-.4907		
.808			-.3229				
.834	-.3486						
.850				-.3901	-.3834	-.3771	
.857			-.3575				
.865	-.4231						
.900	-.3456			-.2513			-.2881
.905			-.2432		-.0731		
.950				-.0753		.0000	
.953			-.0960				
.965	-.1584						



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - TABLE 4  
 (881142)

ARC11-716 TABLE 412+512+25

LOWER WING

ALPHA (1) = 7.960 BETAS (4) = 4.130

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	X/CW	CP	CP	CP	CP
.000	-.3118	-.2859	.1382	.3985	.3526
.020			.1375	.1680	.2696
.030			.2365		
.040		-.0120			
.048			.1236		
.050	-.1167		.0727	.1021	.1414
.080			.0325		
.085			.0704		
.086		.1104			
.094	-.0807				
.150			.0029	.0726	.0621
.163		.1556			.0118
.177			.0069		
.229	.0268				
.246		.0103			
.250					
.274			-.0111		
.362	.0803			-.0163	-.0179
.390		-.0259		-.0034	-.0712
.400					
.402			-.0551		
.497	-.0319			-.0512	-.0957
.550					-.1314
.565			-.1834	-.2140	
.600			-.1984		
.650					-.2517
.700	-.2252			-.2684	
.725			-.3253	-.3274	
.750					-.4650
.760					-.3945
.775			-.3112		
.808			-.4614	-.4746	
.834	-.3284				
.850			-.3539	-.3646	-.3566
.857			-.3298		
.865	-.3699				
.900	-.3105		-.2291		-.2662
.903			-.2338	-.0627	
.950			-.0756		.0000
.953			-.1067		
.965	-.1750				

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DATE 11 JAN 75  
TABULATED PRESSURE DATA - IA14A - VOL. 5

(RB1L42)

LOWER WING

ARC11-716 1A14 01+712+312N23

ALPHA( 5) = 7.940 BETA( 5) = 0.220

SECTION ( LOWER WING

	1990	1991	1992	1993	1994	
Yield	2990	3640	4270	5340	6730	
Yield					7800	
						8070

**MX/X**

.000	-.4486	-.2330	-.1133	.2573	.3291	.2061	.1053
.020				.0942	.0825	.1772	.1961

[illegible]

.049	-.1257	.0616
.048		

0.050	- .2331	.0369	.0368	.0757	.0686
0.050		.0000			

[illegible]

0.085	-0.0594
0.094	-0.1561

.157	-.0055	.0199	.0159	-.0219
.163				
	.0673			

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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.229	- .0258
.246	.0046

.250	-.0450	-.0620	-.0373	-.0982
.274				-.0225

362	.0326
397	-.0333

Variable	Mean	Standard Deviation	Minimum	Maximum
Age	35.50	10.50	20	55
Gender	1.50	0.50	1	2
Marital Status	1.50	0.50	1	2
Education	12.50	1.50	10	15
Income	30.00	15.00	10	50
Health	1.50	0.50	1	2
Stress	2.50	1.00	1	4
Depression	1.50	0.50	1	2
Life Satisfaction	3.50	1.00	1	5
Resilience	2.50	1.00	1	4
Optimism	3.50	1.00	1	5
Gratitude	3.50	1.00	1	5
Forgiveness	3.50	1.00	1	5
Self-Compassion	3.50	1.00	1	5
Emotional Regulation	3.50	1.00	1	5
Interpersonal Skills	3.50	1.00	1	5
Problem Solving	3.50	1.00	1	5
Decision Making	3.50	1.00	1	5
Goal Setting	3.50	1.00	1	5
Time Management	3.50	1.00	1	5
Organization	3.50	1.00	1	5
Productivity	3.50	1.00	1	5
Work-Life Balance	3.50	1.00	1	5
Overall Well-Being	3.50	1.00	1	5

-.0741

-.950	-.1924	-.2106
.563	-.1925	

-.2399

.659
.700
- .2289
- .3171
- .2757

.725	- .2921
.750	- .4346
	- .5929

769	- .2779	- 4072	- 4306
-----	---------	--------	--------

-.4577    -.4556  
~.3513  
.775  
.006

.034	-.3362	
.050	-.2664	-.3271
		-.3269

-.2776

.865	-.3408	
.903	-.2921	-.2035
		-.2451

903	- .2039	- .0604
950		
950		- .0690
		.0000

4041 - 329  
356 - 3111

1511-1503





DATE 11 JAN 75

TABULATED PRESSURE DATA - TALLA - VOL. 5

PAGE 2.03

ARC11-716 TAP4 DIFT12+S12R25

LOWER WING

(R811.43) (19 FEB 74)

## REFERENCE DATA

SREF \* 2.4210 SQ. FT. YMRP = 29.5900 INCHES  
 LREF \* 38.7090 INCHES YMRP = .0000 INCHES  
 SREF \* 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE \* .0300 SCALE

## PARAMETRIC DATA

MACH = .850 ELEVON = .030  
 RUDDER = .000 SPOBRK = .000

ALPHA(1) \* -7.890 BETA(1) \* -8.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.8990	.9640	.4270	.5340	.6750	.7800	.8870
K/QW							
.000	.0427	.0571	.2720	.3062	.2004	.0875	.1475
.020				-1.2460	-1.2510	-.9572	-.7692
.030				-.3472			
.040		.0194					
.048			-.3541				
.050	-.0875			-.7536	-1.1070	-.9355	-.7581
.060				-.4874			
.065			-.2934				
.096		.0355					
.094	-.0948			-.3183	-.6364	-.9100	-.7484
.150		.0142					
.163			-.2502				
.177							
.229	.0376						
.246		-.1852					
.250				-.1876	-.2076	-.7264	-.7447
.274			-.1750				
.362	.0121						
.390		-.1394					
.400				-.0788	-.1581		-.6624
.402			-.0777				
.497	-.1338						
.550				-.1698	-.2740		
.565			-.1304				
.600							-.9124
.650				-.6859	-.6261		
.700	-.1155						
.725							
.750			-.7818				-.5679
.760							-.4916
.775			-.6697				
.808				-.8018	-.7831		
.834	-.6601						
.850				-.4168	-.3674	-.4359	
.857			-.4567				
.865	-.5055						
.900	-.4372			-.2991			-.3155
.905			-.2880		-.0756		





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881143)

LOWER WING

ARC11-716 1A14 Q1+T12+512H25

ALPHA( 1 ) = -7.780 BETA( 3 ) = .940

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.775		
.808		
.834		
.850		
.867		
.885		
.900		
.905		
.910		
.915		
.920		
.925		
.930		
.935		
.940		
.945		
.950		
.955		
.960		
.965		
.970		
.975		
.980		
.985		
.990		
.995		
.999		

ALPHA( 1 ) = -7.850 BETA( 4 ) = 4.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.775		
.808		
.834		
.850		
.867		
.885		
.900		
.905		
.910		
.915		
.920		
.925		
.930		
.935		
.940		
.945		
.950		
.955		
.960		
.965		
.970		
.975		
.980		
.985		
.990		
.995		
.999		



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(801C43)

LOWER WING

ARC11-716 1A14 DIST12+512425

ALPHA ( 1 ) = -7.890 BETAD ( 4 ) = 4.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7890 .8870

X/CW

.700 -.3435  
 .725 -.6093  
 .750 -.5586  
 .760 -.4719  
 .763 -.4813  
 .775 -.7188  
 .808 -.7814  
 .834 -.6868  
 .834 -.4242  
 .850 -.4034  
 .857 -.3475  
 .857 -.4337  
 .865 -.4571  
 .865 -.3166  
 .900 -.2625  
 .900 -.4406  
 .905 -.3776  
 .905 -.1361  
 .950 -.1684  
 .950 -.0000  
 .955 -.1932  
 .955 -.2903

ALPHA ( 1 ) = -7.890 BETAD ( 5 ) = 8.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7890 .8870

X/CW

.090 -.0618  
 .090 -.0264  
 .090 .0827  
 .090 -.0665  
 .090 -.3940  
 .090 -.4603  
 .090 -.4035  
 .090 -1.2320  
 .090 -1.1090  
 .090 -1.0220  
 .090 -.9289  
 .090 -.2831  
 .090 -.0186  
 .090 -.3191  
 .090 -.8397  
 .090 -1.0200  
 .090 -1.0350  
 .090 -.9341  
 .090 -.5232  
 .090 -.2943  
 .090 -.0245  
 .090 -.1066  
 .150 -.4133  
 .150 -1.0510  
 .150 -1.0920  
 .150 -.9299  
 .163 -.0492  
 .177 -.2871  
 .229 -.0341  
 .246 -.1984  
 .250 -.3413  
 .250 -.3975  
 .250 -.8624  
 .250 -.9361  
 .274 -.2814  
 .362 -.0684  
 .362 -.2458  
 .390 -.2875  
 .390 -.3282  
 .400 -.8390  
 .400 -.2772  
 .497 -.2267

DATE 11 JAN 75 TABULATED PRESSURE DATA - TAILA - VOL. 5

(R01L43)

LOWER WING

ALPHA( 1 ) = -7.090 BETA( 5 ) = 0.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2000	.3640	.4270
.3340	.6730	.7800
.0870		
.3364		
.3423		
.4513		
.4474		
.4964		
.4682		
.3514		
.4221		
.4165		
.6715		
.5950		
.5702		
.4573		
.4423		
.3504		
.3739		
.2944		
.1248		
.0000		
.1756		
.2269		
.3321		

ALPHA( 2 ) = -3.000 BETA( 1 ) = -0.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2000	.3640	.4270
.3340	.6730	.7800
.0870		
.3364		
.3423		
.4513		
.4474		
.4964		
.4682		
.3514		
.4221		
.4165		
.6715		
.5950		
.5702		
.4573		
.4423		
.3504		
.3739		
.2944		
.1248		
.0000		
.1756		
.2269		
.3321		



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(881143)

LOWER WING

ARC11-716 1A14 01711-312N25

ALPHA( 2) = -3.000 BETA( 1) = -0.000

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .8990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.390	-.0334
.400	
.402	-.0203
.497	-.0302
.530	
.565	-.1421
.603	-.2573
.650	-.0955
.700	-.0753
.725	
.750	-.6272
.760	-.7246
.775	-.7556
.808	-.7613
.834	
.850	-.3714
.857	-.2767
.865	-.2656
.900	-.2453
.902	-.0831
.935	-.2663
.950	-.1458
.953	
.965	-.1702
	-.1948

ALPHA( 2) = -3.000 BETA( 2) = -4.020

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2091 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.000	.0216
.020	.0927
.030	.3277
.040	.3920
.060	.5033
.080	.2202
.100	.2644
.120	-.6749
.140	-1.1210
.160	-1.0420
.180	-.9717
.200	
.220	-.1069
.240	
.260	-.1074
.280	-.3934
.300	-.4906
.320	-.7614
.340	-.0285
.360	-.3538
.380	
.400	-.1742
.420	.0907
.440	-.0775
.460	
.480	-.0775
.500	-.2177
.520	-.2268
.540	-.3048
.560	-.4157
.580	
.600	-.0610
.620	-.1661
.640	
.660	.0413

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081143)

LOWER WING

ARC11-716 1A14 01+T12+512H25

ALPHA( 2 ) = -3.890 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/BW	Z/BW	CP
.246	.2990	.3640	.4270
.250			.5340
.274			.6720
.362			.7850
.390			.8870
.400			
.402			
.497			
.550			
.565			
.600			
.650			
.700			
.725			
.750			
.775			
.800			
.834			
.850			
.857			
.865			
.900			
.905			
.930			
.933			
.965			

ALPHA( 2 ) = -3.840 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/BW	Z/BW	CP
.000	.2990	.3640	.4270
.020			.5340
.030			.6720
.040			.7850
.048			.8870
.050			
.065			
.080			
.085			
.086			
.084			





DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5

(801143)

LOWER WING

ARC11-716 TAIL D1-T12+512N25

ALPHA (2) = -3.640 BETA (3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW .150 .163 .177 .229 .246 .250 .274 .362 .390 .400 .497 .550 .568 .600 .650 .700 .720 .730 .760 .775 .808 .834 .850 .857 .865 .895 .920 .930 .933 .965

.0413 .177 .229 .246 .250 .274 .362 .390 .400 .497 .550 .568 .600 .650 .700 .720 .730 .760 .775 .808 .834 .850 .857 .865 .895 .920 .930 .933 .965

-.2629 -.2857 -.3692 -.5741

-.1040 -.2246 -.2543 -.3495

-.1072 -.1809 -.3190

-.2009 -.3197

-.6423

-.4226

-.6759 -.7753

-.4251 -.2076 -.2884

-.2220

-.2618

-.1020

-.1319

-.2000

.0000

ALPHA (2) = -3.660 BETA (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW .090

.0404 .2171 .1965 .0622 -.0422 .0304

-.7328 -1.2380 -.9990 -.8941

-.0913

-.1755

-.4457 -.6984 -.8954 -.8748

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 3

(081143)

LOWER WING

ARC11-716 IAI14 ON-T12-S12H25

ALPHA(2) = -3.000 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2000	.3000	.4000	.5000	.6000	.7000	.8000
Z/CW							
.000							
.005							
.010							
.015							
.020							
.025							
.030							
.035							
.040							
.045							
.050							
.055							
.060							
.065							
.070							
.075							
.080							
.085							
.090							
.095							
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.965							
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.975							
.980							
.985							
.990							
.995							
1.000							



ARC11-716 1A14 01+112+312N23  
(RB1L43)

TABULATED PRESSURE DATA - 1A14A - VOL. 3

DATE 11 JAN 75

ALPHA( 2 ) = -3.900 BE/AO ( 5 ) = 8.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3840	.4270	.5340	.6730	.7800	.8670
X/CW							
.000	-.1171	-.0106	.0957	.1507	-.0295	-.1541	-.0801
.020				-.6398	-1.1750	-.9646	-.8762
.030			-.0989				
.040		.0165					
.048			-.1330				
.050	-.1327			-.3855	-.6784	-.8988	-.8550
.060				-.3405			
.085			-.1484				
.086		.0175					
.094	-.1275						
.150		-.0002		-.2590	-.3071	-.5261	-.7589
.163			-.1709				
.177							
.229	-.0515						
.246		-.1227		-.2196	-.2884	-.2978	-.3888
.250							
.274			-.1793				
.362	-.0319						
.390		-.1673					
.400				-.2041	-.2698		-.3529
.402			-.1925				
.497	-.1528			-.2897	-.3708		
.550			-.2798				
.565							
.600							
.650						-.4518	-.3139
.700	-.2964			-.4025			
.725						-.5063	-.3181
.750			-.3744				
.775				-.5923	-.6051		
.808			-.5034				
.834							
.850	-.3700			-.3953	-.3575	-.2815	
.857			-.4138				
.865	-.4281						
.900	-.3928			-.2745			-.1799
.905			-.3408		-.0874		
.950				-.1577		.0000	
.955			-.2171				
.965	-.2954						

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 3

(RBIL43)

LOWER WING

ARC11-716 IAI14 01+712+512N25

ALPHA(3) = -.310 BETA(1) = -.000

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0421 .1357 .4348 .5990 .5660 .5276 .5408

.020 .020 .1026 .1807 -.2216 -.2744

.030 .2074 .0591

.040 .0629 -.1383 -.1759 -.2525

.048 .0735

.050 .0365

.080 .2084

.085 -.0173

.086 .1927

.094 .0085

.150 .0206 -.0007 -.0658 -.1336

.163 .0085

.177 .0318

.229 .0108 -.0361 -.0690 -.1919

.246 .0273

.250 .0250 -.0683 -.2066

.274 .0366

.362 .0448

.390 .0497

.400 .0341

.402 .0497

.497 .0341

.550 .0497

.565 .0341

.600 .0497

.650 .0497

.700 .0497

.725 .0497

.750 .0497

.760 .0497

.775 .0497

.808 .0497

.834 .0497

.850 .0497

.857 .0497

.865 .0497

.900 .0497

.905 .0497

.950 .0497

.953 .0497

.965 .0497



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ALPHA(3) = -.330 BETA(2) = -5.040  
 SECTION (1) LOWER WING  
 Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8670  
 X/CW .0000 .0033 .1009 .3937 .5405 .5014 .4601 .4770  
 .0200 .0300 .1344 .1899 .2638 .3287 .3834  
 .0400 .0400 .1755 .0205 .1330 .1977 .2457 .3219  
 .0800 .0800 .0933 .1198  
 .0800 .1769 .0557 .0565 .1069 .1738  
 .0940 .0940 .1582 .0311  
 .1500 .0739 .0094 .0275 .0694 .1023 .2298  
 .1630 .2740 .0137 .0044 .0076 .0956 .2411  
 .1770 .1075 .0010 .0044 .0076 .0956 .2411  
 .229 .497 .0071 .1179 .1490 .2521 .3949  
 .246 .550 .565 .600 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .890 .905 .925 .950 .953 .965  
 .0739 .0094 .0137 .0044 .0076 .0956 .2411 .3949 .5466 .5703 .6131 .6732 .7077 .6175 .3984 .4016 .2930 .2845 .2201 .0767 .0991 .1294 .1968

(M81L43)

LOWER WING

ORIGINAL PAGE  
 OF POOR QUALITY

(R01L43)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

ARC11-716 1A14 01+112+312M25

ALPHA( 3 ) = -.340 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0518	.0578	.3212	.4396	.3764	.3246	.3538
.020				-.2678	-.4217	-.4906	-.5435
.030			.0892				
.040		.1257					
.048			-.0250				
.050	-.0556			-.1963	-.2928	-.3506	-.4367
.080				-.1939			
.085			-.0531				
.086		.1339					
.094	-.0697						
.150				-.1265	-.1299	-.1738	-.2410
.163		.1119					
.177			-.0841				
.229	.0381						
.246		-.0516					
.250				-.0897	-.1279	-.1580	-.2080
.274			-.0734				
.362	.0641						
.390		-.0556					
.400				-.0618	-.1419		-.2931
.402			-.0541				
.497	-.0591						
.550				-.1905	-.2536		
.565			-.1614				
.600						-.4996	-.4240
.650					-.6008		
.700	-.1764			-.5581		-.5404	-.5674
.725							
.750			-.4151				
.760				-.5722	-.6487		
.775			-.6392				
.808							
.834	-.3674						
.850				-.5102	-.3465	-.2782	
.857			-.5037				
.865		-.4815					-.1908
.900		-.4324		-.2320			
.905			-.2774		-.0832		
.950				-.0895		.0000	
.955			-.1353				
.965	-.2301						



(R81L43)

LOWER WING

TABULATED PRESSURE DATA - IAI44 - VOL. 3  
ARC11-716 IAI4 01+112+512N25

DATE 11 JAN 73

ALPHA(13) = -.350 BETA(4) = 4.090

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/W 2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1259	-.0109	.2593	.3548	.2787	.2236	.2651
.020				-.3204	-.4940	-.5604	-.6134
.030				.0781			
.040				.0663			
.048				-.0274			
.050	-.0807			-.2233	-.3360	-.3940	-.4890
.080				-.2110			
.083				-.0652			
.086				.0925			
.094	-.0771						
.110				-.1605	-.1700	-.2131	-.2813
.163				.0814			
.177				-.1030			
.229	.0084						
.246				-.0673			
.250					-.1321	-.1676	-.1934
.274				-.1066			
.362	.0340						
.390				-.0940			
.400					-.1130	-.1751	-.3253
.402				-.1130			
.497	-.0881				-.2239	-.3185	
.550					-.2208		
.565							
.600							
.650							
.700	-.2523					-.5223	-.4278
.725					-.4511		
.750						-.5001	-.5384
.760				-.3642			
.775					-.5843	-.5928	
.808				-.5525			
.834	-.3872						
.850					-.4412	-.3545	-.2694
.857				-.4213			
.885	-.4303						
.900	-.3814			-.2432			-.1717
.905				-.2976	-.0684		
.910				-.1106			.0000
.953				-.1672			
.965	-.2583						

(881L43)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 ARC11-716 1A14 01+T12+S12N23 LOWER WING

ALPHA(1 3) = -.340 BETA(1 3) = 8.150

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2143	-.0459	.0968	.2643	.1873	.1012	.1584
.020				-.2834	-.5519	-.6515	-.7296
.030			.0260				
.040		-.0179					
.048			-.0284				
.050	-.1679			-.1081	-.3321	-.4448	-.4833
.080				-.1758			
.085			-.0546				
.086		.0186					
.094	-.1452			-.1455	-.1690	-.2492	-.3188
.150		.0297					
.163			-.0891				
.177							
.229	-.0409						
.246		-.0668					
.250				-.1385	-.1983	-.2299	-.3490
.274		-.1099					
.362	.0014						
.390		-.1038					
.400				-.1568	-.2124		-.3456
.402			-.1369				
.497	-.0952			-.2498	-.3289		
.550							
.565			-.2311				-.3152
.600					-.3980		
.650				-.3623			
.700	-.2521					-.4910	-.5030
.725							
.750			-.3391	-.5349	-.5150		
.775			-.4602				
.808							
.834	-.3448			-.3655	-.3335	-.2656	
.850							
.857			-.3812				
.865	-.3847						-.1350
.900	-.3663			-.2614	-.0941		
.905			-.3162	-.1449		.0000	
.950							
.953			-.1983				
.965	-.2688						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512N25 LOWER WING (R01L43)

ALPHA(4) = 4.130 BETA(1) = -0.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/8W	.8990	.3640	.4270	.5340	.6730	.7800	.8870
X/CU							
.000	-.0103	.0321	.4093	.6212	.5655	.5126	.4767
.020				.2140	.2055	.2456	.2357
.030			.3476				
.040		.2443					
.046			.2203				
.050	.0374			.1453	.1559	.1413	.0853
.080				.1114			
.085			.1749				
.086		.2742					
.094	.0190						
.110		.2754		.1122	.1359	.1020	.0257
.163			.1132				
.177	.1454						
.229		.1203		.1003	.0632	.0369	-.0902
.246			.1068				
.250				.0746	-.0081		-.1355
.274	.1986	.1085					
.352			.0929				
.390				-.0984	-.1813		
.400			-.0630				
.402							
.497	.1000						
.550							
.565							
.600							
.650							
.700	-.0454						
.725				-.5410	-.4911		
.750							
.760			-.5511				
.775				-.5787	-.6040		
.808			-.6790				
.834	-.4645						
.850				-.6354	-.7154	-.7298	
.857			-.4395				
.865	-.4483						
.900	-.4211			-.2356	-.0776		-.5860
.935			-.2575				
.950				-.0929		.0000	
.955			-.1338				
.965	-.1745						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(881L43)

LOWER WING

ARC11-716 1A14 01+712+512M25

ALPHA( 4 ) = 4.050 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2990 .3640 .4270 .5340 .6730 .7800 .8870

.000 -.0634 .0190 .3734 .5720 .5335 .4802 .4244

.020 .030 .030 .2847 .1165 .1006 .1474 .1511

.040 .040 .1912 .1580 .0750 .0713 .0702 .0200

.050 -.0128 .080 .1144 .0406

.065 .085 .1144 .0641

.086 .094 -.0198 .2239 .0555 .0790 .0461 -.0244

.153 .163 .2346 .0721 .0515 .0196 -.0063 -.1429

.177 .1082 .0613

.229 .246 .250 .0589 .0354 -.0466 -.1785

.274 .362 .390 .400 .0330

.402 .497 .0584

.550 .565 .600 .0938 -.1260 -.2106

.650 .700 .725 .0938 -.4011 -.3550

.750 .750 .775 .5362 -.4993

.800 .800 .825 .5299 -.5047 -.5376

.850 .850 .875 .6103 -.6006

.900 .900 .925 .6103 -.5951

.934 .934 .950 .4425

.950 .950 .965 .4415

.970 .970 .985 .4190

.990 .990 .995 .2227 -.0709 -.3317

.995 .995 .999 .2533 -.0781 .0000

.999 .999 .999 .1241



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI44 - VOL. 5

PAGE 2201

(R81L43)

LOWER WING

ARC11-716 IAI4 01+118+512N25

ALPHA(4) = 4.050 BETA(3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1178	-.0318	.3183	.5096	.4756	.3976	.3649
.020			.0337	.0078	.0671	.0603	
.030		.2341					
.040		.1350					
.048		.1101					
.050	-.0450		.0154	.0031	.0020	-.0493	
.060			-.0057				
.085		.0688					
.086		.1820					
.094	-.0386		.0060	.0035	.0030	-.0821	
.150		.1933					
.163			.0184				
.177							
.229	.0759	.0332					
.245			.0102	-.0248	-.0432	-.1635	
.250			.0159				
.274		.1221					
.362		.0210					
.390			-.0013	-.0815		-.2212	
.470			.0077				
.492	.0146						
.530			-.1555	-.2465			
.565			-.1308				
.600							
.653							
.700	-.1362						
.725			-.5012	-.5261			
.750							
.760			-.3556		-.5139	-.5521	
.775			-.5446	-.6100			
.808			-.6177				
.834	-.3559						
.850			-.5918	-.5535	-.4217		
.857			-.4887				
.955	-.4828						
.990	-.4322		-.2327				
.995			-.2673	-.0552		-.2474	
.999			-.0898			.0090	
.999			-.1294				
.965	-.2101						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL43)

LOWER WING

ARCL1-716 1A14 OL+T12+312M25

ALPHA ( 4 ) = 4.140 BETA ( 4 ) = 4.140

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2500	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2223	-.1259	.2286	.4352	.3994	.3329	.3137
.020				-.0169	-.0693	-.0151	-.0082
.030			.1889				
.040		.0311					
.048			.0796				
.050	-.0977			-.0266	-.0586	-.0629	-.1014
.080				-.0561			
.085			.0304				
.086		.1150					
.094	-.0760						
.150				-.0426	-.0146	-.0479	-.1299
.165		.1586					
.177			-.0182				
.229	.0311	.0007					
.246							
.250				-.0466	-.0661	-.0866	-.1922
.274		-.0320					
.362	.0744						
.390		-.0332					
.400				-.0565	-.1176		-.2592
.402		-.0581					
.497	-.0273			-.1918	-.2771		
.550			-.1956				
.565							-.3039
.600					-.4435		
.650							
.700	-.2216			-.4120			
.725							
.750							
.760		-.3532					
.775			-.5473	-.5900			
.808		-.5575					
.834	-.3730						
.850				-.4546	-.4889	-.3742	
.857		-.4069					
.865	-.4364						
.900	-.3786			-.2235			-.2049
.935		-.2712			-.0564		
.950			-.0914				.0000
.955		-.1404					
.965	-.2363						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(801143)

LOWER WING

ARC11-716 IAI4 01+112+512N25

ALPHA 41 ° 4.150 BETAD ( 3) ° 0.190

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2000	.3640	.4870	.5340	.6730	.7000	.8870
Z/CW							
.000	-.3411	-.1159	.0290	.2564	.3501	.2746	.2773
.050				-.0106	-.1633	-.1237	-.1149
.100			.0307				
.150		-.0325					
.200			.0291	-.0274	-.1243	-.1460	-.1695
.250				-.0432			
.300			.0135				
.350		.0142					
.400	-.1446						
.450		.0356		-.0523	-.0660	-.1020	-.1763
.500			-.0224				
.550	-.0229	-.0196					
.600				-.0733	-.1132	-.1263	-.2260
.650		-.0473					
.700	.0267	-.0537		-.1114	-.1370		-.2010
.750			-.0910				
.800	-.0332			-.2104	-.2090		
.850			-.2124				
.900						-.3407	
.950	-.2393			-.3059			
.000				-.3396			
.050					-.5000	-.5789	
.100			-.3164				
.150			-.4201	-.4004	-.3361		
.200							
.250	-.3553			-.3341	-.3411	-.3124	
.300			-.3400				
.350		-.3937					
.400	-.3901			-.2231			-.1666
.450			-.2619	-.0699			
.500				-.1112		.0000	
.550			-.1361				
.600	-.2330						

DATE 11 JAN 75 TABULATED PRESSURE DATA - [A14A - VOL. 3

(R01L43)

LOWER WING

ARC11-716 1A14 01+712+312423

ALPHA(1) = 0.040 BETA(1) = -0.070

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2000	.3040	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0387	-.0143	.4945	.6269	.5270	.3040	.3191
.020				.3947	.4476	.4992	.4654
.030			.4336				
.040		.2874					
.048			.3100				
.050	.0540		.2847	.3482	.3482	.3003	
.060			.2223				
.080			.2388				
.086		.3145					
.094	.0456			.1876	.2540	.2321	.1611
.150		.3216					
.163			.1702				
.177	.1723						
.229		.1646		.1593	.1511	.1404	.0308
.246			.1537				
.250				.1078	.0480		-.0613
.274	.2245	.1476					
.342			.1276				
.390	.1438			-.0747	-.1281		
.400			-.0532				
.402						-.3133	-.2723
.497				-.4319			
.550				-.4479		-.5230	-.4857
.565			-.4963				
.600			-.5372	-.3135			
.650			-.7204				
.700	-.0277						
.725							
.730							
.760							
.774							
.808							
.834	-.4384						
.850			-.7683	-.6892	-.6534		
.857		-.5306					
.865	-.4447						
.900	-.4243						
.908			-.3166				-.6870
.928		-.2872		-.2623			
.930			-.1893			.0000	
.933		-.1397					
.965	-.1718						



(R01L43)

LOWER WING

TABULATED PRESSURE DATA - IALIA - VOL. 5

DATE 11 JAN 75

ARC11-716 IALIA 010112+512M25

ALPHA( 5 ) = 0.010 BETA( 2 ) = -4.020

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8970

X/CW

.000	-.1881	-.0569	.3615	.5880	.5003	.5539	.2700
.020			.3637	.2949	.5572	.4292	.5985
.040		.2961					
.060			.2360				
.080	.0051			.1997	.2696	.2988	.2433
.100				.1471			
.120			.1798				
.140		.2632					
.160	.0052			.1362	.1980	.1854	.1137
.180		.2763					
.200			.1295				
.220	.1281						
.240		.1191		.1087	.1046	.0994	-.0074
.260			.1110				
.280	.1882			.0676	.0100		-.0967
.300		.1051					
.320			.0858				
.340	.0939			-.1047	-.1618		
.360			-.0839				
.380						-.2994	
.400						-.3317	
.420				-.4630			
.440						-.5299	-.4965
.460			-.4304				
.480				-.5412	-.5305		
.500			-.6338				
.520							
.540				-.7262	-.7022	-.6751	
.560			-.4847				
.580							
.600				-.2652			-.7019
.620			-.2696		-.1760		
.640				-.0986			.0000
.660			-.1255				
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L43)

LOWER WING

ARC11-718 1A14 01+712+912N25

ALPHA=0.91 0.010 BETA=0.30 0.030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/BW	.2995	.3640	.4270	.5340	.6730	.7805	.8870
.000	-.2041	-.1317	.2029	.5155	.4550	.3168	.2276	
.020			.3124	.2075	.2586	.3454	.3280	
.040		.1332						
.060	-.0437	.1097		.1322	.1919	.2169	.1706	
.080			.1382	.0986				
.100		.2121						
.120	-.0297			.0845	.1469	.1329	.0556	
.140		.2584		.0809				
.160			.0833		.0683	.0573	.0372	-.0517
.180	.0843			.0758				
.200		.0632			.0300	-.0294		-.1390
.220	.1907			.0412				
.240					-.1377	-.1953		
.260	.0367			-.1185			-.3294	
.280					-.3944	-.4714		
.300	-.1162			-.3223			-.5354	-.4205
.320					-.5311	-.5496		
.340				-.6563				
.360								
.380	-.3460			-.4560				
.400					-.6494	-.7072	-.6894	
.420								
.440	-.4758							
.460	-.4061			-.2000				-.7261
.480				-.2541		-.0968		
.500					-.0816		.0000	
.520				-.1160				
.540								
.560	-.1869							





DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 5

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(RBIL43)

LOWER WING

ARC:1-716 IAI4 01+112+S12N25

ALPHA(5) = 0.000 BETA(4) = 4.130

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CN	CP
.2547	.3640	.4270
.2547	.3640	.5340
.2547	.3640	.6730
.2547	.3640	.7800
.2547	.3640	.8870
.2547	.3640	.9870
.2547	.3640	.1084
.2547	.3640	.2644
.2547	.3640	.2564
.2547	.3640	.1535
.2547	.3640	.0895
.2547	.3640	.1155
.2547	.3640	.1445
.2547	.3640	.1230
.2547	.3640	.0549
.2547	.3640	.1025
.2547	.3640	.1316
.2547	.3640	.0601
.2547	.3640	.1770
.2547	.3640	.0400
.2547	.3640	.0414
.2547	.3640	.0165
.2547	.3640	.0056
.2547	.3640	-.0253
.2547	.3640	-.0213
.2547	.3640	-.0668
.2547	.3640	-.1699
.2547	.3640	-.1719
.2547	.3640	-.2278
.2547	.3640	-.1788
.2547	.3640	-.3521
.2547	.3640	-.3740
.2547	.3640	-.3527
.2547	.3640	-.5229
.2547	.3640	-.4953
.2547	.3640	-.3220
.2547	.3640	-.5563
.2547	.3640	-.5976
.2547	.3640	-.5490
.2547	.3640	-.4160
.2547	.3640	-.6326
.2547	.3640	-.7004
.2547	.3640	-.3834
.2547	.3640	-.2342
.2547	.3640	-.5552
.2547	.3640	-.2506
.2547	.3640	-.0617
.2547	.3640	-.0070
.2547	.3640	.0000
.2547	.3640	-.1229
.2547	.3640	-.2106

(R01L43)

**LOWER WING**

ARC11-716 1A14 0107120512N25

ALPHA( 5) = 0.099      BETA( 5) = 0.259

SECTION (1) LOWER WING

Y/RW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4992	-.1160	-.1269	.2279	.3596	.2444	.1608
.020				.1197	.1096	.1799	.1956
.030			.0835				
.040		-.1129					
.048			.0762				
.050	-.2485			.0832	.0608	.0856	.0641
.080				.0350			
.085			.0869				
.086		-.0006					
.094	-.1325						
.150				.0196	.0424	.0289	-.0354
.163		.0929					
.177			.0493				
.229	-.0046						
.245		.0415					
.250				-.0098	-.0360	-.0279	-.1333
.274			.0190				
.362	.0671						
.390		.0002					
.400				-.0663	-.1042		-.1774
.402			-.0398				
.497	.0010						
.550				-.1887	-.2316		
.565			-.1801				-.3145
.600						-.3305	
.650					-.3584		
.700	-.1934			-.3371			
.725						-.5104	-.5180
.750			-.3149				
.760				-.4906	-.5959		
.775			-.4143				
.808							
.834	-.3261						
.850				-.3381	-.3835	-.3712	
.857			-.3356				
.865	-.3628						-.2604
.900	-.5510		-.2390		-.0767		
.925			-.2462				
.950				-.1152		.0000	
.953			-.1418				
.965	-.2160						

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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LOWER WING

(R81L44)

( 15 FEB 74 )

## REFERENCE DATA

SREF = 8.4810 SQ.FT. XMRP = 29.9800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BRFP = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHA(1) = -7.970 BETA(1) = -0.050

## PARAMETRIC DATA

MACH = .900 ELEVON = .000  
 RUDDER = .000 SPDRK = .000

## DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.0561	.0841	.3184	.3623	.2607	.1507	.2001
.020				-1.1360	-1.3090	-.9853	-.7507
.030					-.2671		
.040			.0547				
.048					-.2859		
.050		-.0605		-.9581	-1.2440	-.9855	-.7235
.080					-.4355		
.085					-.2358		
.086			.0738				
.094		-.0762			-.3241	-.4189	-.0967
.150			.0620				-.7060
.163							
.177					-.2257		
.229		.0629					
.246			-.1508				
.250					-.1534	-.1754	-.6423
.274					-.1360		-.6881
.362		.0569					
.390			-.1820				
.400					-.0176	-.0994	-.6086
.402					-.0275		
.497		-.1158				-.0890	-.1948
.550					-.0484		
.565							
.600							
.650							-.4758
.700		-.0338			-.3459		
.725					-.5423		
.750						-.5258	-.5617
.760							
.775					-.6933	-.7629	-.7378
.808					-.6099		
.834		-.9305					
.850					-.4327	-.5608	-.8497
.857					-.5433		
.865		-.8376					
.900		-.4849			-.3407		-.4556
.905					-.4084	-.2480	

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL144)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA( 1 ) = -7.970 BETA( 1 ) = -8.050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
.950  
.953  
.965  
-0.2917  
-0.3374  
-0.3129  
0.0000

ALPHA( 1 ) = -7.960 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW  
.000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.086  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.563  
.600  
.650  
.700  
.725  
.750  
.760  
.775  
.808  
.834  
.850  
-0.0259  
-0.0333  
-0.2546  
-0.2594  
-1.2080  
-1.3160  
-0.9662  
-0.7456  
-0.3254  
-0.0259  
-0.3278  
-1.0390  
-1.2740  
-0.9537  
-0.7385  
-0.5416  
-0.2760  
-0.0417  
-0.0837  
-0.0287  
-0.2691  
-0.1898  
-0.2472  
-0.0243  
-0.2036  
-0.1046  
-0.0940  
-0.1194  
-0.2197  
-0.5693  
-0.6191  
-0.5493  
-0.5330  
-0.7230  
-0.7935  
-0.7490  
-0.6031  
-0.4469  
-0.4441  
-0.6432  
-0.5950  
-0.7512  
-0.7560  
-0.5501



DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R81L44)

LOWER WING

ARC11-716 IA14 OL+T12+S12H25

ALPHA( 1 ) = -7.960 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.857  
 .865  
 .900  
 .905  
 .950  
 .953  
 .965  
 -.2987  
 -.5447  
 -.3590  
 -.4296  
 -.2821  
 -.3174  
 -.2878  
 -.3972  
 .0000

ALPHA( 1 ) = -7.960 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
 .020  
 .030  
 .040  
 .048  
 .050  
 .080  
 .085  
 .086  
 .094  
 .150  
 .163  
 .177  
 .229  
 .246  
 .250  
 .274  
 .362  
 .390  
 .400  
 .402  
 .497  
 .550  
 .565  
 .600  
 .650  
 .700  
 .725  
 .750  
 .760  
 .0224  
 .0235  
 .1760  
 .1477  
 .0030  
 -.1395  
 -.0850  
 -1.1870  
 -1.1780  
 -1.0150  
 -.7666  
 -.3128  
 .0364  
 -.3282  
 -.9898  
 -1.1780  
 -.9914  
 -.7508  
 -.5099  
 -.2867  
 .0402  
 .0181  
 -.3082  
 -.1940  
 -.2774  
 -.3390  
 -.2993  
 -1.0030  
 -.8064  
 -.2279  
 -.1258  
 -.1374  
 -.0353  
 -.1982  
 -.1602  
 -.2417  
 -.1572  
 -.5911  
 -.3326  
 -.3964  
 -.6420  
 -.9341  
 -.4600  
 -.6454

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L44)

LOWER WING

ARC11-7'S 1A14 01+T12+S12R25

ALPHA( 1 ) = -7.980 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.0004	-.7662		
.808			-.7781				
.834		-.4170					
.850				-.4547	-.3752	-.8036	
.857			-.4572				
.865		-.5154					-.4507
.900		-.5099		-.3558			
.905			-.3231	-.2868			
.950				-.2789		.0000	
.955			-.2675				
.965		-.3261					

ALPHA( 1 ) = -7.970 BETA( 4 ) = 4.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0139	.0391	.1410	.0736	-.1238	-.2632	-.2203
.020				-1.1680	-1.1630	-1.0520	-.7631
.030			-.2645				
.040		.0544					
.048			-.2934				
.050	-.0388			-.9853	-1.1290	-1.0440	-.7306
.080				-.5745			
.085			-.2706				
.086		.0429					
.094	-.0426						
.150			.0116		-.4376	-1.1030	-1.0830
.163							
.177			-.2965				
.229	.0161						
.246		-.1843					
.250				-.3697	-.3055	-1.0900	-.8387
.274			-.2880				
.362	-.0141		-.2407				
.390							
.400				-.2438	-.1690		-.8352
.422			-.2740				
.497	-.8021			-.2271	-.2708		
.550			-.2655				
.600							-.5953
.650							-.5893



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081L44)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA(1) = -7.970 BETA(4) = 4.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.700	-.3188		-.6372	-.6206		
	.725					-.6206	-.5013
	.750		-.5251				
	.760			-.7677	-.7944		
	.775		-.7169				
	.808			-.5326	-.4005	-.4320	
	.834	-.4397		-.6117			
	.850						
	.857						
	.865	-.5411					
	.900	-.4989	-.3822	-.3310	-.3087		-.4448
	.905		-.2409			.0000	
	.950		-.2532				
	.953						
	.965	-.3377					

ALPHA(1) = -8.000 BETA(5) = 6.170

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	-.1125	-.0171	.1177	.0201	-.2132	-.3844
	.020				-.11200	-1.0960	-.9841
	.030			-.2352			-.8813
	.040		.0070				
	.048			-.2691			
	.050	-.0828		-.7478	-1.0120	-.9915	-.8869
	.080			-.4766			
	.085			-.2432			
	.086		.0019				
	.094	-.0937					
	.150				-.3818	-1.0120	-1.0630
	.163		-.0151				
	.177		-.2487				
	.229	-.0360					
	.246		-.1631				
	.250				-.3212	-.3449	-1.0140
	.274		-.2489				
	.362	-.0395					
	.390		-.2179				
	.400				-.2593	-.2822	
	.402		-.2571				-.9514
	.497	-.1932					

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L44)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA( 1 ) = -0.000 BETA( 5 ) = 0.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.350				-.3116	-.3765		
.565			-.3270				
.800							-.4937
.650					-.6164	-.4826	
.700	-.3435			-.5321			
.725							
.750							
.760			-.4507			-.6434	-.3518
.775				-.6691	-.6695		
.809			-.5985				
.834	-.4202						
.850				-.4989	-.3456	-.3306	
.857			-.5164				
.865	-.4790						
.900	-.4583		-.3942	-.3118	-.82149		-.3260
.905				-.2040		.0000	
.950			-.2559				
.955							
.965	-.3608						

ALPHA( 2 ) = -4.070 BETA( 1 ) = -0.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0873	.1549	.4234	.5200	.4500	.3885	.4222
.080				-.4826	-.8552	-.9182	-.9689
.030			-.0004				
.040		.1610					
.048			-.0908				
.050	-.0809			-.3150	-.3678	-.5514	-.8450
.080				-.2505			
.085			-.0834				
.086		.1370					
.094	-.0482						
.150				-.1208	-.1304	-.1819	-.2145
.165		.1464					
.177			-.0802				
.229	.0887						
.246		-.0417					
.250				-.0346	-.0754	-.1117	-.2006
.274			-.0278				
.362	.1124						





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L44)

LOWER WING

ARC11-716 1A14 01+112+512H25

ALPHA( 2 ) = -4.070 BETA( 1 ) = -0.500

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

-.0061

.0415 -.0420 -.2095

.0428

-.0106

-.0655 -.1772

-.0270

-.3695

-.5393

-.5741

-.5377 -.5815

-.7313 -.7226

-.5376

-.3920

-.5126

-.3216

-.3029

-.2360

.0000

-.2789

-.2397

ALPHA( 2 ) = -3.970 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.0364 .1135

.4213 .3330 .2566 .3045

-.6378 -1.0780 -.9729 -.8760

-.0643

.1235

-.1506

-.4071 -.5318 -.7469 -.7356

-.3160

-.1396

.1108

-.0615

.1086

-.1405

.0622

(881L44)

LOWER WING

ALPHA( 2 ) = -3.970 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.246	-.0089					
.250		-.0926	-.1191	-.1551	-.2586	
.276	-.0074					
.362	.0752					
.390	-.0650					
.400		.0025	-.0801		-.2415	
.402		-.0074				
.497	-.0628					
.550		-.0906	-.2054			
.565		-.0557				
.600						
.650				-.4291		
.700	-.0528		-.5712			
.725		-.6009				
.750			-.5711	-.6149		
.760		-.7001				
.775		-.7605	-.7532			
.808		-.5847				
.834	-.0866					
.850		-.3975	-.3696	-.3741		
.857		-.4922				
.865	-.0029					
.900	-.4145	-.2937	-.2455		-.3261	
.905		-.3558	-.2455			
.950		-.2617		.0000		
.955		-.2726				
.965	-.2598					

ALPHA( 2 ) = -3.000 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	.0166	.0911	.3055	.3287	.2167	.1233	.1850
.020				-.7245	-.11750	-.9045	-.8156
.030			-.0766				
.040		.1115					
.060		-.1579					
.050	-.0365		-.4475	-.9355	-.7751	-.7510	
.080				-.3556			
.085							
.086		.1017					
.094	-.0490						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A144 - VOL. 3

(R01L44)

LOWER WING

ARC11-716 1A14 01+112+312+25

ALPHA ( 2 ) = -3.000 BETA ( 3 ) = .030

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6750 .7000 .8070

X/CW .150 .103 .177 .229 .246 .250 .274 .362 .373 .400 .402 .497 .550 .565 .600 .650 .700 .725 .750 .760 .775 .800 .834 .850 .857 .865 .900 .905 .950 .955 .955

-.2485 -.2541 -.4350 -.5073

-.1764

-.1124

-.1559 -.1751 -.2061 -.3304

-.1410

-.1112

-.0531 -.1135 -.2678

-.0779

-.0920

-.1260 -.2335

-.1133

-.4532

-.5989

-.6293

-.6834

-.7523 -.7766

-.6793

-.4063

-.4182 -.3387 -.3915

-.3190

-.2649

-.2479 .0000

-.2553

-.2902

ALPHA ( 2 ) = -3.920 BETA ( 4 ) = 4.000

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6750 .7000 .8070

X/CW .090 .090 .0615 .2514 .2419 .1076 .0051 .0758 .920 .920 .930 .940 .940 .950 .950 .955 .955

-.0485

-.0615

-.0545

-.0923

-.1381

-.4391 -.8519 -.8257 -.7660

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OF POOR QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L44)

LOWER WING

ARC11-716 1A14 01+112+512M25

ALPHA (2) = -3.920 BETAS (4) = 4.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

Z/CW

.080						
.085						
.086						
.094						
.150						
.163						
.177						
.229						
.246						
.250						
.274						
.362						
.390						
.409						
.402						
.487						
.550						
.565						
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.725						
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.800						
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.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						

-.3611

-.1537

.0883

-.0485

.0664

-.1732

.0194

-.1071

-.1682

.0192

-.1422

-.1316

-.1261

-.2223

.700

-.6394

.725

-.3200

.750

-.7405

.760

-.6586

.775

-.4578

.800

-.3040

 .834 || .850 | -.2991 |
.857	-.3359
.865	
.900	-.2464
.905	-.3114
.950	-.2718
.955	-.1862
.965	-.1972


DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL44)

LOWER WING

ARC11-716 1A14 01+112+312+25

ALPHA(8) = -3.930 BETAO (9) = 0.150

SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>p</sub>

T/OW .2000 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1773	.0103	.1186	.1928	.0128	-.1089	-.0493
.020			-.6337	-1.1150	-.9011	-.7792	
.030			-.0789				
.040		.0346					
.048			-.1072				
.050	-.1359		-.3776	-.7661	-.8716	-.7906	
.060			-.3123				
.065			-.1219				
.086		.0335					
.094	-.1245			-.2474	-.2948	-.6509	-.7522
.110		.0286					
.117		-.1443					
.229	-.0187	-.0956					
.246							
.250			-.2012	-.2629	-.2403	-.6558	
.274			-.1491				
.362	-.0158	-.1408					
.390							
.400			-.1874	-.2333		-.3233	
.408			-.1717				
.497	-.1342		-.2763	-.3430			
.550			-.2686				
.565							
.600							
.650							
.700	-.2825			-.4684		-.5187	
.725					-.5808		
.750			-.4265			-.6584	-.7037
.760				-.6038	-.6434		
.775			-.3339				
.808							
.834	-.4018			-.4444	-.3352	-.2329	
.850			-.4564				
.857							
.865	-.4280						
.900	-.4142		-.2839				-.1477
.935			-.3687		-.1362		
.950			-.1659				
.953			-.2302				
.965	-.3188						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L44)

LOWER WING

ARC11-716 1A14 01-0112+312M25

ALPHA(1 3) = .060 BETA(1 1) = -0.080

DEFLECTION VARIABLE CP

SECTION (1) LOWER WING

X/CW	Y/CW	DEFLECTION	VARIABLE	CP
.000	.0364	.1316	.4664	.6301
.020	.0300	.1316	.4664	.5902
.040	.0300	.1316	.4664	.5543
.060	.0300	.1316	.4664	.5235
.080	.0300	.1316	.4664	.4978
.100	.0300	.1316	.4664	.4771
.120	.0300	.1316	.4664	.4614
.140	.0300	.1316	.4664	.4507
.160	.0300	.1316	.4664	.4450
.180	.0300	.1316	.4664	.4443
.200	.0300	.1316	.4664	.4486
.220	.0300	.1316	.4664	.4579
.240	.0300	.1316	.4664	.4722
.260	.0300	.1316	.4664	.4915
.280	.0300	.1316	.4664	.5158
.300	.0300	.1316	.4664	.5451
.320	.0300	.1316	.4664	.5794
.340	.0300	.1316	.4664	.6187
.360	.0300	.1316	.4664	.6630
.380	.0300	.1316	.4664	.7123
.400	.0300	.1316	.4664	.7666
.420	.0300	.1316	.4664	.8259
.440	.0300	.1316	.4664	.8902
.460	.0300	.1316	.4664	.9595
.480	.0300	.1316	.4664	.1038
.500	.0300	.1316	.4664	.1531
.520	.0300	.1316	.4664	.2074
.540	.0300	.1316	.4664	.2667
.560	.0300	.1316	.4664	.3310
.580	.0300	.1316	.4664	.3993
.600	.0300	.1316	.4664	.4726
.620	.0300	.1316	.4664	.5509
.640	.0300	.1316	.4664	.6342
.660	.0300	.1316	.4664	.7225
.680	.0300	.1316	.4664	.8158
.700	.0300	.1316	.4664	.9141
.720	.0300	.1316	.4664	.1024
.740	.0300	.1316	.4664	.1517
.760	.0300	.1316	.4664	.2060
.780	.0300	.1316	.4664	.2653
.800	.0300	.1316	.4664	.3296
.820	.0300	.1316	.4664	.3989
.840	.0300	.1316	.4664	.4732
.860	.0300	.1316	.4664	.5525
.880	.0300	.1316	.4664	.6368
.900	.0300	.1316	.4664	.7261
.920	.0300	.1316	.4664	.8204
.940	.0300	.1316	.4664	.9197
.960	.0300	.1316	.4664	.1040
.980	.0300	.1316	.4664	.1533
.000	.0300	.1316	.4664	.2076



DATE 11 JAN 75

TABULAT D PRESSURE DATA - 1A14A - VOL. 5

PAGE 2221

ALPHA( 3 ) = -.320 BETA( 2 ) = -.4030

(R81L44)

LOWER WING

ARC11-716 1A14 Q1+T12+S12N25

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .8990 .3640 .4270 .5340 .6730 .7650 .8870

X/CW

.000	.1174	.4137	.5490	.5035	.4590	.4812
.020			-.1042	-.2716	-.3156	-.3543
.030		.1107				
.040	.1070					
.048		.0314				
.050	-.0146		-.1229	-.1 91	-.2275	-.2932
.080			-.1145			
.085		.0386				
.086	.1899					
.094	-.0325					
.150			-.0405	-.0305	-.0711	-.1346
.163	.1914	-.0144				
.177						
.229	.0926					
.245		.0086				
.250			.0041	-.0299	-.0587	-.1075
.274		.0111				
.362	.1327					
.395		.0228				
.400			.0423	-.0392		-.2015
.402		.0481				
.497	.0154		-.0784	-.1913		
.550		-.0459				
.565						
.600						
.650						
.700	-.0346					
.725			-.5085	-.5666	-.4159	-.3999
.750						
.760		-.6829				
.775		-.6459	-.7037	-.7263	-.5933	-.6487
.808						
.834	-.0233		-.3923	-.3070	-.3354	
.850		-.4608				
.857						
.865	-.3442					
.900	-.3992		-.2784			-.2344
.905		-.3190	-.2124			
.950			-.2283			.0000
.953		-.2138				
.965	-.2221					

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R81L44)

LOWER WING

ARC11-716 1A14 01+112+312M25

ALPHA( 3 ) = -.320 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

V/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0358	.0706	.3507	.4657	.4017	.3575	.3087
.020				-.2476	-.3872	-.4271	-.4609
.030			.1220				
.040		.1476					
.048			.0076				
.050	-.0318			-.1639	-.2571	-.3106	-.3709
.080				-.1582			
.085			-.0216				
.086		.1569					
.094	-.0439						
.130				-.0956	-.0844	-.1212	-.1082
.163		.1622					
.177			-.0565				
.229	.0634						
.246		-.0200					
.250				-.0541	-.0757	-.1019	-.2323
.274			-.0375				
.362	.0992						
.390		-.0224					
.400				-.0081	-.0749		-.2414
.402			-.0121				
.497	-.0252						
.550				-.1214	-.2255		
.565			-.1024				
.600							-.4431
.650					-.4590		
.700	-.1200			-.6231			
.725					-.6013		-.6896
.752			-.6952				
.780				-.7384	-.7416		
.775			-.6857				
.808							
.834	-.1042						
.850				-.3948	-.2977	-.3121	
.857			-.4144				
.865	-.4856						-.2678
.900	-.4388			-.2755			
.905			-.2947		-.2381		
.930				-.2069			.0700
.933			-.2072				
.965	-.2460						





(RB1L44)

LOWER WING

ARC11-716 1A14 OL+T12+S12+25

ALPHA(3) = -.330 BETA(4) = 4.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

1/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1195	.0105	.2795	.3862	.3080	.2514	.2935
.020				-.2712	-.4554	-.5117	-.5597
.030			.1175				
.040		.0873					
.048			.0083				
.050	-.0624			-.1861	-.3010	-.3382	-.4365
.080				-.1772			
.085			-.0273				
.086		.1173					
.094	-.0552						
.150				-.1256	-.1367	-.1688	-.2269
.163		.1239					
.177			-.0651				
.229	.0309						
.246		-.0338		-.0990	-.1232	-.1414	-.2651
.250			-.0719				
.274							
.362	.0670			-.0748	-.1205		-.2717
.390		-.0606					
.400			-.0826				
.402				-.1772	-.2588		
.497	-.0496		-.1873				-.4800
.550					-.4902		
.565							
.600							
.650							
.700	-.2030			-.5686	-.6233		
.725							
.750			-.4527			-.6553	-.7287
.760				-.6340	-.7318		
.775			-.5784				
.808							
.834	-.4043			-.4707	-.2776	-.2621	
.850			-.4731				
.857							
.865	-.4314			-.2354			-.1912
.900	-.4016		-.3137		-.2141		
.905				-.1446		.0000	
.950			-.1747				
.955							
.965	-.2754						

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2224

(R81L44)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA(3) = -.330 BETA(5) = 0.150

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2847	-.0318	.1029	.2835	.2105	.1397	.1001
.020				-.2382	-.5190	-.6260	-.6996
.030				.0485			
.040		-.0114					
.048			-.0027				
.050	-.1908			-.1449	-.3101	-.3946	-.4679
.060				-.1410			
.065			-.0242				
.066		.0289					
.094	-.1393						
.150		.0341		-.1168	-.1503	-.2145	-.3168
.163			-.0588				
.177							
.229	-.0191						
.246		-.0381					
.250				-.1119	-.1634	-.1932	-.3083
.274			-.0799				
.362	.0303						
.390		-.0732					
.400				-.1316	-.1845		-.3134
.402			-.1087				
.497	-.0586			-.2333	-.3107		
.550			-.2171				
.565						-.4993	
.600							
.650							
.700	-.2184			-.4203	-.5192		
.725						-.6241	-.5951
.750			-.3929				
.760				-.5499	-.6138		
.775			-.4756				
.808							
.834	-.3870			-.4102	-.3921	-.2384	
.850			-.4196				
.897							
.865	-.3806						
.900	-.3811			-.2871			-.1570
.905			-.3547		-.1046		
.950				-.1562		.0000	
.955			-.2252				
.965	-.2912						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI4A - VOL. 5

PAGE 2223

(N81L44)

LOWER WING

ARC11-718 IAI4 01+T12+512+25

ALPHA(4) = 4.200 BETA(1) = -0.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW	2990	3640	4270	5340	5730	7800	8870
.000	-.0312	.0640	.4361	.6330	.6167	.5477	.5113
.020			.3719	.2361	.2250	.2614	.2486
.030		.2564					
.040			.2451				
.050	.0352			.1720	.1797	.1714	.1152
.060				.1390			
.085			.1944				
.086		.2962					
.094	.0299			.1440	.1716	.1366	.0616
.150		.3123					
.163			.1432				
.177							
.229	.1628						
.246		.1477					
.250			.1379	.1077	.0817	-.0613	
.274		.1403					
.362	.2302						
.390		.1436					
.430			.1237	.0416		-.1067	
.402		.1356					
.497	.1336						
.550			-.0371	-.1317			
.563			-.0115				
.600							
.650						-.3239	
.700	.0140			-.5236		-.3510	
.725			-.3248				
.750							
.760			-.6244				
.775				-.6446	-.6500		
.808				-.8865			
.834	-.8719						
.850				-.5786	-.7694	-.7654	
.857			-.4146				
.863							
.900	-.7126						
.900	-.4361		-.2772				-.7888
.905			-.3219	-.8251			
.910				-.2223		.0000	
.933			-.2245				
.963	-.8274						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2227

(RB1L44)

LOWER WING

ALPHA(4) = 4.060 BETA(3) = .040

ARC11-716 1A14 01+112+512+25

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2995 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.1270 -.0205 .3433 .5370 .4930 .4234 .3973

.020 .020 .030 .2704 .0756 .0326 .0903 .0960

.040 .1563 .1312 .0565 .0304 .0347 -.0045

.048 -.0344 .1972 .0245

.050 -.0344 .1972 .0245

.055 .085 .0285

.060 -.0203 .2298 .0333 .0698 .0372 -.0409

.065 .150 .163 .0544

.070 .177 .0661 .0448 .0216 .0902 -.1196

.075 .245 .274 .362 .1377 .0531 .0485

.080 .370 .402 .497 .550 .565 .600 .650

.700 -.0775 .725 .750 .760 .775 .808 .834

.850 .857 .865 .900 .905 .910 .933 .965

.965 .965 .965 .965 .965 .965 .965 .965

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2220

(RBL144)

LOWER WING

ARC11-716 1A14 OL+T12+S12N25

ALPHA(4) = 4.100 BETA(4) = 4.110

SECTION (1) LOWER WING DEFENDENT VARIABLE CF

X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2858	-.1144	.2425	.4556	.4194	.3562	.3423
.020			.2157	.0170	-.0542	.0001	.0134
.030		.0464					
.040			.1080				
.050	-.0927			.0010	-.0388	-.0380	-.0707
.060				-.0246			
.085			.0658				
.095		.1234					
.094	-.0612			-.0172	.0145	-.0148	-.0954
.150		.1688					
.163			.0158				
.177							
.229	.0504						
.246		.0309					
.250				-.0170	-.0314	-.0445	-.1600
.274		-.0028					
.362	.1016						
.390		-.0039					
.400				-.0208	-.0713		-.2337
.402		-.0288					
.497	-.0016			-.1510	-.2331		
.550		-.1641					
.583						-.4485	
.600					-.4536		
.650				-.5661	-.5927		
.700	-.1809					-.6597	-.6977
.725							
.750			-.4535				
.760				-.6159	-.7168		
.775			-.5877				
.808							
.834	-.4115			-.4640	-.5053	-.2990	
.850			-.4298				
.857							
.865	-.4550						
.900	-.3997			-.2232	-.2151	-.2653	
.905		.2826					
.950				-.1274		.0000	
.955		-.1632					
.965	-.2504						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081L44) LOWER WING

ARC11-718 1A14 01+T12+512+25

ALPHA(4) = 4.100 BETA(5) = 0.190

SECTION : 11 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2500	.3640	.4270	.5340	.6750	.7800	.8870
X/CW	.090	-.3657	-.0968	.0378	.2482	.3731	.3027
	.020			.0192	-.1304	-.0993	-.0911
	.030		.0777				
	.040	-.0483					
	.048		.0418				
	.050	-.2232		.0925	-.0951	-.1139	-.1459
	.060			-.0130			
	.065		.0304				
	.066		.0249				
	.074	-.1432		-.0210	-.0393	-.0634	-.1443
	.150		.0665				
	.155						
	.177		.0051				
	.223	-.0166					
	.245		-.0913	-.0384	-.0667	-.0899	-.1955
	.251						
	.274		-.0226				
	.362	.0443		-.0802	-.1304		-.2561
	.390		-.0241				
	.403						
	.402		-.0671				
	.497	-.0256		-.2042	-.2780		
	.550			-.1922			
	.563						
	.600						-.4665
	.650				-.4784		
	.700	-.2036		-.4087	-.5302		
	.723						
	.750					-.6145	-.7034
	.760						
	.775		-.3795	-.5439	-.6257		
	.808		-.4630				
	.834	-.3891		-.3777	-.3600	-.2750	
	.850		-.3724				
	.857						
	.865	-.4049					-.2007
	.900	-.3752		-.2457	-.1003		
	.903		-.2883				
	.950			-.1325			.0000
	.953						
	.963	-.2604		-.1718			

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L44)

LOWER WING

ARC11-716 1A14 01+718+312N25

ALPHA( 5 ) = 0.040 BETA( 1 ) = -0.080

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW	.8990	.9240	.9270	.9330	.9750	.7800	.8870
X/CW							
.000	-.0006	-.0234	.4081	.6392	.5582	.4369	.3709
.020				.4305	.4643	.5167	.4775
.030							
.040		.2784					
.048			.3353				
.050	.0394			.3167	.3716	.3721	.3188
.060				.2503			
.085			.2697				
.065		.3359					
.094	.0458						
.120				.2200	.2005	.2596	.1810
.163		.3473					
.177			.1969				
.229	.1834						
.246		.1842		.1868	.1820	.1681	.0559
.250			.1753				
.274							
.362	.2428	.1672		.1373	.0788		-.0442
.390							
.400			.1469				
.402							
.487	.1584						
.550				-.0438	-.1052		
.565			-.0249				
.600							-.2427
.650							
.700	.0003						
.725				-.4851			
.750					-.4760		
.760							
.775			-.5882				
.808				-.5324	-.5096		
			-.8142				
.834	-.8330						
.850				-.7658	-.7005	-.6404	
.857			-.8375				
.885	-.7030						
.900	-.4815			-.5471			.6695
.905			-.3516		-.6177		
.930				-.2321			.0000
.953			-.2321				
.965	-.2693						





(981L44)

**LOOPER WING**

ARC11-716 1A14 C1+112+512M25

ALPHA( 5 ) = 1.5 BETA( 2 ) = -4.523

SECTION (1) LOWER WING  
DEPENDENT VARIABLE CP

Y/YW	Y/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8970
.000	-.1400	-.0572	.3543	.5020	.5102	.4070	.3276	
.020			.4033	.3331	.3770	.4442	.4141	
.040	.2149		.2729	.2649	.299	.3106	.2668	
.060	.0062		.2153	.1303	.1270	.2070	.1870	
.080		.2817	.13765	.1526				
.100			.1470					
.120			.1470	.1303	.1413	.12	.0150	
.140	.2149	.1353			.00	.0008		
.160		.1321		.1149				
.180				-.0436	-.0637	-.1276		
.200							-.3299	-.2033
.220	-.0221				-.5042	-.4923		
.240				-.6163	-.6192		-.5720	-.5099
.260				-.5173		.3354		
.280								
.300	-.0424				-.7616	-.7202	-.6603	
.320				-.4331				
.340								
.360	-.5000			-.3339	-.2866			-.7061
.380	-.4397			-.3100	-.1963		.0000	
.400				-.2040				
.420		-.2203						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L44)

LOWER WING

ARC11-716 1A14 01+112-512N25

ALPHA (S) = 7.975 BETA (S) = .020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2000 .3640 .4270 .5360 .6730 .7600 .8070

1/CM

.000	-.2165	-.1320	.2046	.5204	.4494	.3300	.2713
.020				.2272	.2070	.3659	.3425
.030			.3359				
.040		.1406					
.048			.2164				
.050	-.0300			.1647	.2219	.2479	.2036
.060				.1351			
.085			.1666				
.096		.2324					
.094	-.0227			.1241	.1016	.1036	.0797
.150		.2644					
.165			.1100				
.177							
.229	.1097						
.246		.1090		.1026	.1029	.0894	-.0252
.250							
.274		.0984					
.352	.1760						
.390		.0903		.0730	.0107		-.1260
.400							
.402		.0779					
.497	.0800			-.0826	-.1594		
.550							
.565							
.600							
.650							
.700	-.0606			-.5530			
.725							
.750							
.760							
.775							
.800							
.834	-.4370						
.850				-.5410	-.7007	-.7111	
.867							
.885	-.4334						
.900	-.4300			-.2935			-.7303
.905							
.910				-.2935	-.2109		
.915				-.2010			.0000
.933							
.965	-.2215						



(RBL44)

LOWER WING

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+312425

ALPHA (deg) = 0.020 BETA (deg) = 4.130

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3036	-.2690	.1614	.4384	.4143	.2804	.1995
.020				.1726	.1755	.2842	.2744
.030			.2591				
.040		-.0076					
.048			.1667				
.050	-.1319			.1167	.1354	.1784	.1467
.060				.0741			
.085			.1185				
.086		.1294					
.094	-.0724						
.150		.1906		.0592	.1206	.1102	.0365
.163			.0583				
.177							
.229	.0316						
.246		.0634		.0401	.0396	.0466	-.0686
.250							
.274			.0396				
.362	.1163						
.390		.0251					
.400				.0092	-.0275		-.1655
.402			-.0010				
.497	.0215						
.550				-.1387	-.1925		
.565			-.1550				
.600							
.650							
.700	-.1785						
.725				-.5644		-.4016	-.3786
.750					-.5672		
.760			-.4415			-.6411	-.6064
.775				-.6166	-.6864		
.800			-.6171				
.834	-.4051						
.850				-.5600	-.7497	-.7286	
.857			-.4559				
.865	-.4601						
.900	-.4054			-.2506			-.7533
.955			-.2935		-.1021		
.950				-.1556			.0000
.955			-.1743				
.965	-.2454						

(881L44)

LOWER WING

ARC11-716 TAI4 OL+T12+SI2M25

ALPHA(1 5) = 0.080 BETA(1 5) = 0.230

SECTION 1 FOLLOWER WING DEPENDENT VARIABLE CP

T/OW .2900 .3640 .4270 .5340 .6730 .7800 .8870

K/CW

.000	-.3468	-.1717	-.0817	.2841	.4017	.2927	.1746
.020				.1210	.1036	.1903	.2130
.030			.0909				
.040		-.0888					
.048			.085				
.050	-.2553			.0786	.0656	.0915	.0933
.060				.0433			
.085			.0983				
.086		.0250					
.094	-.1610						
.150				.0251	.0347	.0323	-.0036
.155		.0934					
.177			.0656				
.229	-.0085						
.246		.0535					
.250				.0040	-.0108	-.0007	-.1073
.274		.0241					
.342	.0703						
.390		.0172					
.400				-.0534	-.0073		-.1929
.402			-.0239				
.457	.0159			-.1739	-.2371		
.459			-.1727				
.565							
.600							
.650							
.700	-.1905			-.4939		-.4133	-.3918
.725				-.4067			
.750							
.760			-.3597			-.5720	-.5555
.775				-.5706	-.6155		
.808			-.4893				
.834	-.36.5						
.850				-.4004	-.5590	-.6539	
.857			-.3743				
.865	-.4104						
.890	-.3670			-.2624	-.1165		-.6811
.905			-.2836				
.950				-.1387		.0000	
.955			-.1688				
.965	-.2474						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 3

(R81L41)

LOWER WING

ARC11-716 IAI4 OI+T12+S12R25

ALPHA( 2 ) = -4.050 BETA( 1 ) = -8.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700 -.2805 -.3297  
 .725 -.3435  
 .750 -.4513 -.3410  
 .760 -.3604  
 .775 -.5267 -.4179  
 .808 -.5286  
 .834 -.4163  
 .850 -.3870  
 .857 -.3072 -.2704  
 .865 -.4812  
 .900 -.3879 -.2562 -.1792  
 .905 -.2807 -.0601  
 .930 -.0339 .0000  
 .953 -.1276  
 .955 -.1855

ALPHA( 2 ) = -4.050 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CF

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0101 .0489 .2679 .2713 .1692 .0469 .1029  
 .020 .030 -.7841 -1.1300 -1.2510 -1.4030  
 .030 -.2448  
 .040 .0339  
 .048 -.2993  
 .050 -.0756  
 .080 -.4634 -.6127 -.7052 -.7669  
 .085 -.3993  
 .096 -.2533  
 .094 .0204  
 .1035  
 .150  
 .163 -.0290  
 .177 -.2132  
 .229 -.0097  
 .246 -.1840  
 .250  
 .274 -.1861  
 .362 -.0411  
 .390 -.1631  
 .400  
 .402 -.1833 -.2454 -.2624  
 .497 -.1679  
 .1556



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(R81L41)

LOWER WING

ARC11-716 IAL14 DATA 12/25/75

ALPHA (2) = -4.050 BETA (2) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

Y/CW	CP
.550	-.2662
.565	-.2716
.580	-.2708
.595	-.2967
.610	-.3432
.625	-.3447
.640	-.4022
.655	-.3524
.670	-.3549
.685	-.4264
.700	-.5301
.715	-.5064
.730	-.3677
.745	-.3146
.760	-.2699
.775	-.3676
.790	-.4401
.805	-.4401
.820	-.3648
.835	-.2461
.850	-.2654
.865	-.0602
.880	-.0932
.895	-.0000
.910	-.1205
.925	-.1205
.940	-.1888
.955	-.1888

ALPHA (2) = -4.050 BETA (3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

Y/CW	CP
.550	-.0244
.565	.0182
.580	.1956
.595	.1563
.610	.0194
.625	-.1152
.640	-.0456
.655	-.2702
.670	-.8691
.685	-1.2460
.700	-1.3950
.715	-1.5190
.730	-.3186
.745	-.5202
.760	-.6750
.775	-.7754
.790	-.8304
.805	-.4390
.820	-.2758
.835	.0078
.850	-.094
.865	-.1077
.880	-.150
.895	-.163
.910	-.0462
.925	-.2412
.940	-.0263
.955	-.2530
.970	-.2456
.985	-.3030
.999	-.3186
.999	-.3611
.999	-.2146
.999	-.0617

(R0141)

LOWER WING

STABULATED PRESSURE DATA - IAI4A - VOL. 5

ARC11-716 1A14 01-712-312N25

CAYE 11 JAN 75

ALPHA ( 2 ) = -4.059 BETA ( 3 ) = .030

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/AY	.2990	.3640	.4270	.5340	.6735	.7800	.8670
------	-------	-------	-------	-------	-------	-------	-------

X/CW					
.390	-.1083				-.2791
.400		-.1945		-.2102	-.2672
.402					
.497	-.1870			-.2776	-.3012
.550					
.565		-.2737			-.2782
.600					
.650					-.3080
.700	-.2942				
.725				-.3432	-.3496
.750					
.760		-.3406		-.5289	-.4270
.775					
.838		-.4772			
.834	-.3411				
.850				-.3612	-.3223
.857					
.855		-.3572			
.900	-.3953				
.905	-.3399			-.2439	-.0684
.950		-.2640		-.0910	.0000
.953					
.965	-.1926			-.1223	
					-.1987

$$\text{BETA2} (4) = -1.050 \quad 4.070$$
DEPENDENT VARIABLE C<sub>P</sub>

GNIM BEMCT ( ) NO11336

Y/9W	.2993	.3640	.4270	.5340	.6730	.7800	.8870
------	-------	-------	-------	-------	-------	-------	-------

0.000	-.0634	.0032	.1520	.0817	-.0634	-.2149	-.1314
.020				-.0607	-1.2290	-1.4260	-1.5040
.030			-.2200				
.040		.0167					
.048			-.2790		-.6035	-.7737	-.0265
.050	-.0842			-.5055			
.060				-.4339			
.065			-.2604				
.066		-.0019					
.094	-.0997						
.150				-.3134	-.3510	-.4109	-.4343
.163		-.0430					
.177			-.2581				
.229	-.0409						

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 3 (891.41) LOWER WING

ARC11-716 IAI14 01+712+512+25

ALPHA( 2 ) = -3.950 BETA( 4 ) = 4.070

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.246	-.1988	-.2631	-.3050	-.3204	-.3635	
.250		-.2270				
.274						
.362	-.2062					
.390		-.2242	-.2764		-.2769	
.400						
.402		-.2146				
.497	-.2019					
.550		-.2772	-.3086			
.565		-.2938				
.600						
.650						
.700	-.3054	-.3449	-.3492		-.2994	-.2787
.725						
.750		-.3310			-.4058	-.3479
.760			-.5231	-.4223		
.775		-.4331				
.800						
.834	-.3340		-.3458	-.3144	-.2781	
.850		-.3298				
.857						
.965	-.3754		-.2360			-.1738
.990	-.3252	-.2486	-.0673			
.995			-.0955		.0000	
.999						
.953		-.11299				
.965	-.2108					

ALPHA( 2 ) = -3.950 BETA( 5 ) = 0.110

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.000	-.1133	-.0304	.0955	.0268	-.1702	-.3316
.020						
.030						
.033						
.040		-.0111				
.048						
.050						
.053	-.1293					
.065						
.096						
.094	-.1323					



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881141)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA( 2 ) = -3.950 BETA( 5 ) = 0.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW .150 .163 .177 .229 .246 .259 .274 .362 .390 .400 .402 .437 .559 .555 .600 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .935 .950 .953 .955

-.0598 -.2326 -.1873 -.2549 -.3081 -.3233 -.3575 -.2255 -.2327 -.2786 -.2748 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349

-.3073 -.3433 -.4144 -.4317 -.2125 -.2278 -.2731 -.2991 -.2840 -.2931 -.3327 -.3886 -.3349



DATE 11-14-73 TABULATED PRESSURE DATA - TAIL - V2.1.5

(R81041)

LOWER WING

ARC11-716 TAIL Q1+T12+S12025

ALPHA(3) = -.310 BETAD(1) = -.040

SECTION 1: LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

X/CW .2935 .3640 .4270 .5340 .6730 .7800 .8670

.000 -.1613

.045 -.0398

.086 .1379

.034 -.0343

.140 .1049 -.1068 -.1438 -.1728

.173 .1001

.177 -.0737

.223 .0606

.240 -.0497

.253 .0022 -.1361 -.1455 -.2357

.271 -.0722

.362 .0482

.340 -.0626

.400 .1055 -.1648 -.1739

.432 -.0802

.437 -.0593

.451 .2109 -.2277

.474 -.2284

.480 .2638

.500 -.3129

.530 -.2592

.5309 -.3308

.575 .3437

.560 .5062 -.4102

.575 .5087

.609 .3662 -.3150 -.2829

.634 -.4083

.650 .3724

.655 -.4657

.900 -.2555

.900 -.3711

.903 .2012

.933 .2692

.933 .0618

.953 .0000

.965 -.1214

.965 -.1680

DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI44 - VOL. 5

(R01L41)

LOWER WING

ARC11-716 IAI4 01+112+512+23

ALPHA( 3 ) = -.320 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP	CP	CP	CP
.2990	.3640	.4270	.5340	.6730	.7800 .8870
.000	.0632	.3332	.4564	.4302	.3807 .4220
.020			.3336	.4339	.4927 .5496
.030	.1086				
.040					
.050	.0439				
.060					
.066	.0966				
.073					
.080	.0735				
.090					
.100	.0535				
.110					
.120	.0238				
.130					
.140	.0131				
.150					
.160	.0094				
.170					
.180	.0073				
.190					
.200	.0055				
.210					
.220	.0038				
.230					
.240	.0020				
.250					
.260	.0013				
.270					
.280	.0009				
.290					
.300	.0006				
.310					
.320	.0004				
.330					
.340	.0003				
.350					
.360	.0002				
.370					
.380	.0001				
.390					
.400	.0000				
.410					
.420	.0000				
.430					
.440	.0000				
.450					
.460	.0000				
.470					
.480	.0000				
.490					
.500	.0000				
.510					
.520	.0000				
.530					
.540	.0000				
.550					
.560	.0000				
.570					
.580	.0000				
.590					
.600	.0000				
.610					
.620	.0000				
.630					
.640	.0000				
.650					
.660	.0000				
.670					
.680	.0000				
.690					
.700	.0000				
.710					
.720	.0000				
.730					
.740	.0000				
.750					
.760	.0000				
.770					
.780	.0000				
.790					
.800	.0000				
.810					
.820	.0000				
.830					
.840	.0000				
.850					
.860	.0000				
.870					
.880	.0000				
.890					
.900	.0000				
.910					
.920	.0000				
.930					
.940	.0000				
.950					
.960	.0000				
.970					
.980	.0000				
.990					
.000	.0000				



DATE 11 AUG 72  
TABULATED PRESSURE DATA - 1A14A - VM - 5  
A001-716 1A14 01+02+512425  
(331-41)  
LOWER WING

SECTION 1 - LOWER WING	BETA (3) E	DEPENDENT VARIABLE CP
1/8W	.2890 .3640 .4270 .5340 .6730 .7800 .8870	
1/4W		
.000	-.0333 .0289 .2848 .3790 .3344 .2811 .3254	
.020		-.3349 -.3257 -.5873 -.5643
.030		-.0169
.040	.0773	
.046		-.1290
.050	-.0722	-.2780 -.3174 -.4096 -.4652
.063		-.2500
.084		-.1405
.096	.0706	
.094	-.0844	
.150		-.1861 -.1693 -.2319 -.2551
.163	.0331	
.177		-.1452
.223	-.0905	
.246	-.1209	
.251		-.1557 -.2001 -.2122 -.2636
.272		-.1349
.342	-.0037	
.333	-.1232	
.401		-.1519 -.2024 -.2175
.432		-.1396
.437	-.1164	
.553		-.2385 -.2631
.565		-.2378
.603		
.650		-.2053
.703	-.2592	
.725		-.3204
.750		-.3378
.760		-.4008 -.3494
.775		-.3285
.775		-.3126 -.4242
.808		-.4729
.834	-.3349	
.850		-.3620 -.3203 -.2685
.857		-.3536
.865	-.3966	
.970	-.3376	
.955		-.2533
.940		-.2649 -.0629 .0900
.945		-.0939
.945	-.1885	-.1237

ORIGINAL PAGE IS  
OF POOR QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RBL41)

LOWER WING

ARC11-716 IAI4 01+T12+512N25

ALPHAD(3) = -.330 BETAD(4) = 4.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/CW	.2990	.3840	.4270	.5340	.6730	.7800	.8870
.000	-.1110	-.0146	.2907	.3014	.2388	.1887	.2402
.020				-.4279	-.5529	-.6183	-.7016
.030			-.0206				
.040		.0402					
.048			-.1216				
.050	-.0930			-.2911	-.3016	-.4317	-.4858
.060				-.2699			
.085			-.1442				
.086		.0472					
.094	-.0949						
.150				-.2074	-.2101	-.2522	-.2700
.163		.0217					
.177			-.1607				
.229	-.0225						
.245		-.1298					
.250				-.1823	-.2227	-.2230	-.2747
.274			-.1536				
.362	-.0257						
.393		-.1477					
.400				-.1744	-.2250		-.2271
.402			-.1654				
.497	-.1442						
.550				-.2540	-.2706		
.565			-.2582				
.600							-.2602
.650					-.2496		
.700	-.2884			-.3325	-.3437		
.725						-.4073	-.3438
.750							
.760			-.3235				
.775				-.5095	-.4172		
.808			-.4353				
.834	-.3230						
.850				-.3552	-.3250	-.2854	
.857			-.3538				
.865	-.3711						
.900	-.3195			-.2434			-.1836
.905			-.2556		-.0701		
.950				-.0929		.0000	
.955			-.1318				
.965	-.2019						



9810413

DATE 11 JAN 75

ADJUSTED PRESSURE DATA - TAIKA - VOL. 5

LOWER WING

ALPHA 31.3 -0.330 80740 (5) 3 0.140

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

YAW -0.2900 -0.3640 -0.4270 -0.5340 -0.6750 -0.7600 -0.8000

ROLL

-0.000 -0.1923 -0.0571 -0.0946 -0.2386 -0.1513 -0.0923 -0.1471

-0.220 -0.0330 -0.0279 -0.0279 -0.4090 -0.5770 -0.6892 -0.7601

-0.400 -0.0216 -0.0998 -0.2819 -0.4056 -0.4536 -0.4888

-0.668 -0.1609 -0.0246 -0.1230 -0.2545

-0.350 -0.1559 -0.0114 -0.1987 -0.2211 -0.2747 -0.2894

-0.393 -0.1177 -0.1324

-0.786 -0.0709 -0.1266

-0.394 -0.0562 -0.1642

-0.550 -0.1571 -0.1794

-0.177 -0.1794

-0.497 -0.1600

-0.550 -0.2505

-0.600 -0.2505

-0.650 -0.2505

-0.700 -0.2906

-0.725 -0.2960

-0.750 -0.3000

-0.760 -0.3000

-0.775 -0.3000

-0.785 -0.3000

-0.800 -0.3000

-0.815 -0.3000

-0.830 -0.3000

-0.845 -0.3000

-0.860 -0.3000

-0.875 -0.3000

-0.890 -0.3000

-0.905 -0.3000

-0.920 -0.3000

-0.935 -0.3000

-0.950 -0.3000

-0.965 -0.3000

REPRODUCED FROM  
OF POOR QUALITY

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2148

(RBL41)

LOWER WING

ARC11-716 1A14 01-0112-512N25

ALPHA(4) = 4.130 BETA(1) = -0.050

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0027	.0109	.3339	.5454	.5081	.4365	.4053
.020				.1911	.1675	.2186	.2334
.030			.2739				
.040		.1989					
.048			.1556				
.053	.0390			.0788	.1019	.0983	.0803
.060				.0418			
.065			.0977				
.086		.2198					
.094	.0071			.0359	.0668	.0429	.0151
.150		.2030					
.163			.0430				
.177							
.229	.1865						
.246		.0520		.0187	-.0120	-.0105	-.0759
.250			.0270				
.274							
.362	.1272	.0228		-.0283	-.0758		-.0910
.390				-.0105			
.400							
.402	.0183			-.1595	-.1739		
.487			-.1696				-.2056
.550					-.2329		
.565							
.601							
.650							
.700	-.2087			-.3065			
.725							
.750							
.760			-.3223				
.775				-.5128	-.3991		
.808			-.5057				
.834	-.3811						
.850				-.3827	-.3509	-.3043	
.857			-.3586				
.865	-.4566						
.901	-.3628			-.2757			-.2294
.905			-.2764		-.0870		
.950				-.0995		.0000	
.955			-.1247				
.965	-.1532						







DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R61L41)

LOWER WING

ARC11-716 1A14 010112012N25

ALPHA (4) = 4.130 BETA (3) = .060

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/CW	2890	3640	4270	5340	6730	7800	8870
.000	-.1136	-.0473	.2690	.4580	.4281	.3639	.3428
.020				-.0187	-.0283	.0247	.0471
.030		.1712					
.040		.1023					
.048			.0466				
.050	-.0507			-.0426	-.0412	-.0443	-.0359
.060				-.0619			
.085			.0047				
.095		.1334					
.094	-.0646						
.110				-.0504	-.0177	-.0432	-.0698
.163		.1278					
.177			-.0392				
.229	.0423						
.246		-.0250					
.250				-.0384	-.0810	-.0797	-.1319
.274		-.0483					
.342	.0370						
.333		-.0464					
.400			-.0799	-.1291			-.1490
.402			-.0692				
.497	-.0487						
.530			-.1683	-.2091			
.563		-.1970					
.600					-.2498		
.630							
.700	-.2132			-.3103			
.723			-.3592				
.750					-.3940		-.3300
.760		-.3123					
.775			-.4928	-.4943			
.800		-.4589					
.834	-.3271						
.850			-.3562	-.3281	-.3026		
.857		-.1400					
.865	-.3767						
.900	-.3171						-.2109
.905		-.2533			-.0770		
.950			-.0947			.0000	
.953		-.1121					
.965	-.1606						



(R81L41)

TABULATED PRESSURE DATA - (A1A4 - VAL. 5

ARC11-716 (A1A 01+012+512+25

LOWER WING

ALPHA (4) = 4.120 BETAD (4) = 4.090

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/SW	.2990	.3540	.4270	.5340	.6730	.7800	.9870
X/CW							
.020	-.1987	-.1287	.0321	.3944	.3680	.3099	.3046
.020				-.0792	-.1013	-.0448	-.0277
.030		.0235					
.040			.0164				
.050	-.1061		-.0781	-.0938	-.0943	-.1064	
.060			-.0956				
.080			-.0259				
.085		.0793					
.094	-.0879						
.150		.0878		-.0830	-.0559	-.0622	-.1129
.177			-.0721				
.229	-.0904						
.245		-.0604					
.250				-.0944	-.1160	-.1129	-.1532
.274			-.0845				
.362	.0203						
.390		-.0918					
.400				-.1151	-.1552		-.1583
.402			-.1144				
.497	-.0888						
.550			-.2245	-.2095	-.2272		
.565							
.600							
.650							
.700	-.2565						
.725				-.3078			
.750					-.3110		
.760							
.775			-.2982				
.808			-.4177	-.4793	-.4003		
.834	-.3133						
.850							
.857			-.3109	-.3329	-.3198	-.2996	
.865	-.3514						
.900	-.2938			-.2326			
.905			-.2322		-.0685		-.2171
.950				-.0835			
.953			-.1110				
.965	-.1737						

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(RB1L41)

LOWER WING

ARC11-716 IA14 OL+T12+SIEN23

ALPHA( 4 ) = 4.110 BETA( 5 ) = 0.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2590	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3127	-.1559	.0440	.2958	.3112	.2556	.2735
.020				-.1107	-.1987	-.1445	-.1089
.030			.0453				
.040		-.0721					
.048			-.0111				
.050	-.2013		-.1027	-.1631	-.1575	-.1607	
.060			-.1172				
.065			-.0373				
.086		-.0049					
.094	-.1576			-.1099	-.0956	-.1193	-.1355
.150			.0227				
.163							
.177			-.0823				
.229	-.0505						
.245		-.0709					
.250							
.274			-.1041				
.362	-.0190			-.1163	-.1435	-.1354	-.1631
.390		-.1114					
.400				-.1414	-.1689		-.1709
.402			-.1364				
.497	-.1165						
.550			-.2065	-.2174			
.565			-.2264				
.600							
.650					-.2495		-.2292
.700	-.2692			-.2678	-.2846		
.725							
.750			-.2655		-.3650	-.3232	
.760				-.3665	-.3518		
.775			-.3298				
.808							
.834	-.3079			-.2428	-.2758	-.2692	
.850			-.2649				
.857							
.865	-.3411						
.900	-.2921		-.1829				-.1929
.905			-.2029	-.0664			
.950				-.0769		.0000	
.953			-.1116				
.965	-.1820						



(RBL41)

TABULATED PRESSURE DATA - JAIL - VOL. 5

LOWER WING

DATE 11 JAN 75

ARC11-716 1A14 01+112+512425

ALPHA (S) = 7.990 BETAD (S) = -8.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3645	.4273	.5340	.6730	.7800	.8870
X/CW							
.000	-.0715	-.1033	.2370	.4497	.2978	.0971	-.0225
.020				.3892	.4454	.5029	.4904
.030		.3849					
.040		.2085					
.048			.2680				
.050	.0500		.2549	.3262	.3446	.3218	
.080			.1881				
.085			.1947				
.086		.2598					
.094	.0339			.1461	.2038	.2012	.1623
.150		.2578					
.163			.1132				
.177							
.223	.1369						
.246		.1079		.0909	.0974	.1042	.0574
.253			.0904				
.274	.1624						
.362		.0646					
.390			.0275	.0257	.0022		-.0152
.403							
.402							
.497	.0612			-.1180	-.1065		
.550			-.1551				-.1670
.565							
.600							
.650							
.700	-.1878			-.2736	-.2557		-.1857
.725							
.750			-.3020			-.3326	-.2754
.760				-.4572	-.3583		
.775			-.4790				
.808							
.834	-.3728			-.3538	-.3085	-.2857	
.850			-.3421				
.857							
.865	-.4300			-.2625			-.2552
.900	-.3286			-.2608	-.0845		.0000
.905				-.0939			
.950							
.953			-.1220				
.965	-.1241						

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OF POOR QUALITY

(RBL41)

LOWER WING

AR: 1-716 1A14 01+712+512N25

ALPHA( 5) = 0.000 BETA( 2) = -4.010

SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP	
Y/BW	X/CW		
.000	-.1280	.2219	.4444 .3103 .1057 -.0267
.020			.2957 .3511 .4336 .4252
.030		.3211	
.040	.1530		
.048		.2068	
.050	-.0049		.1847 .2521 .2762 .2665
.080			.1221
.085		.1356	
.086		.2108	
.094	-.0081		
.150		.2146	.0879 .1568 .1568 .1207
.163			
.177		.0677	
.229	.0995		
.245		.0606	
.250			.0518 .0621 .0733 .0231
.274		.0410	
.352	.1255		
.390		.0271	
.400			-.0026 -.0189 -.0411
.402		-.0043	
.497	.0200		
.550			-.1356 -.1224
.565		-.1657	
.600			
.650			-.1795
.700	-.2076		-.1902
.725		-.2711	
.750			-.3330 -.2854
.760		-.2967	
.775			-.4544 -.3546
.800		-.4609	
.834	-.3543		
.850		-.3405	-.3051 -.2805
.857		-.3204	
.865	-.4069		
.900	-.3166		
.905		-.2453	-.2408
.950		-.2512	-.0812
.953		-.0864	.0000
.965	-.1246	-.1115	



(RBL41)

LOWER WING

ARC11-716 IAL14 01+T12+512R25

ALPHA(D) = 0.000 BETAD (3) = .010

SECTION - 1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.1959	-.1734	.1876	.4206	.3091	.1199	-.0128
.020				.2089	.2687	.3564	.5544
.030			.2713				
.040		.0962					
.048			.1478				
.050	-.0339			.1231	.1830	.2112	.2036
.050				.0695			
.065			.0966				
.066		.1687					
.094	-.0467						
.150				.0450	.1113	.1117	.0737
.163		.1793					
.177			.0299				
.229	.0604						
.246		.0331					
.250				.0120	.0189	.0329	-.0135
.274			.0134				
.352	.0961						
.393		.0008					
.400				-.0325	-.0578		-.0739
.402			-.0292				
.497	-.0037						
.550				-.1520	-.1522		
.565			-.1691				
.600							
.650						-.2088	-.1930
.700	-.1985			-.2724			
.725				-.2804			
.750						-.3519	-.2981
.760			-.2934				
.775				-.4613	-.3649		
.809			-.4404				
.834	-.3156						
.850				-.3362	-.3040	-.2912	
.857			-.3167				
.865	-.3641						
.900	-.2954			-.2412			-.2374
.905			-.2144		-.0843		
.950				-.0789			.0000
.953			-.0990				
.965	-.1365						

(RB1L41)

LOWER WING

ARC11-716 1A14 01+T12+S12H25

ALPHA( 5) = 7.070 BETA( 4) = 8.160

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4370	-.2634	-.1152	.2356	.2941	.1666	.0583
.020				.0731	.0757	.1775	.2169
.030				.0680			
.040		-.1241					
.048			.0440				
.050	-.2246			.0203	.0310	.0712	.0841
.060				-.0091			
.065			.0357				
.085		-.0134					
.094	-.1673						
.150							
.163		.0512		-.0378	.0108	.0153	-.0022
.177			-.0134				
.229	-.0437						
.246		-.0149					
.250				-.0600	-.0656	-.0347	-.0683
.274			-.0459				
.362	.0145						
.390		-.0325					
.400							
.402				-.0988	-.1082		-.1073
.497	-.0633		-.0858				
.550				-.1809	-.1789		
.565			-.1933				
.600							
.650							
.700	-.2355				-.2762	-.2243	-.1986
.725				-.2526			
.750							
.760		-.2548			-.3409	-.2979	
.775							
.808		-.3200		-.3493	-.3472		
.834	-.2631						
.850			-.2468	-.2546	-.2803	-.2734	
.857							
.865	-.3110						
.900	-.2654			-.1829			-.2114
.905			-.1911		-.5699		
.950				-.0782		.0000	
.953			-.1031				
.965	-.1565						



TABULATED PRESSURE DATA - 1A10A - VOL. 3

Case 1:14-cv-00073

( 16 FEB 74 ) ( 121718R )

LOWER WING

APC-11-715 1A14 21+712+912:25

9-76934C 5174

399F	=	8.4810 INCHES	249F	=	29.9900 INCHES
299F	=	30.7990 INCHES	199F	=	30.0000 INCHES
199F	=	30.7990 INCHES	99F	=	30.0000 INCHES
SCA-E	=	30.0000 SCAL-E			

MOYAC	750	ELEVCH	000
MOYAC	000	ELEVCH	000

## PARAMETRIC DATA

ALPHA: 1) \* -7.890 CYA38  
BETA: 1) \* -8.000

SECTION / NUMBER WITH  
DEPENDENT VARIABLE ON

Y/Y-4	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0319	.0219	.2112	.2041	.0809	-.0302	.0477
.020			-1.3320	-1.3900	-1.0970	-.9744	
.030			-.4632				
.040		-.0348					
.048			-.4435				
.050	-.0768			-.6353	-1.1370	-1.0580	-.8559
.080				-.5292			
.085			-.3501				
.086		-.0166					
.104	-.1059						
.140				-.3335	-.4802	-1.0080	-.9203
.165		-.0433					
.177			-.2731				
.229	.0374						
.246		-.2094					
.250				-.2343	-.2945	-.6358	-.7758
.274			-.1984				
.342	-.0345						
.370		-.1631					
.400			-.1378	-.1634	-.2548		-.6110
.402							
.437	-.1585			-.2710	-.3340		
.530			-.2403				
.600						-.4339	
.650							
.700	-.2412			-.4301			
.725				-.4244			
.750			-.4054			-.5343	-.4330
.760							
.775			-.6905	-.7064	-.5872		
.809							
.834	-.4542						
.850					-.4354	-.4036	-.3708
.857			-.4455				
.865	-.5852						
.870	-.4716			-.2838			-.2900
.905		-.3041			-.0759		





DATE 11-04-75 TABULATED PRESSURE DATA - 1004 - VOL. 5

(K81142)

LOWER WING

ALPHA = 7.16 DATA CHARACTERISTICS

ALPHA (1) = -7.780 BETA (2) = 3.990

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.837							
.865							
.900							
.975							
.950							
.955							
.965							

ALPHA (1) = -7.780 BETA (3) = .040

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.090							
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L42)

LOWER WING

ARC11-716 1A14 01+12+512H25

ALPHA(1) = -7.780 BETA(3) = .940

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/C							
.175				-.6868	-.5768		
.008			-.5833				
.034	-.3877			-.4231	-.4097	-.3742	
.050			-.4085				
.057							
.065	-.4767			-.2582			-.3176
.910	-.4214		-.2895	-.0911			
.335				-.1195		.0000	
.950			-.1529				
.955							
.965	-.2535						

ALPHA(1) = -7.790 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/C							
.000	-.0367	-.0331	.0248	-.1359	-.3293	-.4682	-.3551
.020				-.1490	-.1282	-.1126	-.9016
.033			-.4433				
.040		-.0185					
.048			-.4510				
.050	-.0707			-.1000	-.1217	-.1127	-.0870
.080				-.6686			
.085			-.4002				
.085		-.0330					
.094	-.0807			-.4645	-.1109	-.1097	-.8546
.150		-.0938					
.163			-.3602				
.177							
.229	-.0337						
.246		-.2761					
.250				-.3691	-.3356	-.9099	-.8625
.274			-.3286				
.362	-.0942						
.393		-.2869					
.400				-.2877	-.3266		-.7631
.432			-.2955				
.497	-.2638			-.3441	-.3898		
.553			-.3396				
.565							-.3216
.600							-.3424
.650							



(R01L42)

LOWER WING

TABLED PRESSURE DATA - LATA - VOL. 5

ARCT-716 LATA 11+ 12+312025

ALPHA = 11.5 -7.090 BETA = 4.1 - 4.035

SECTION 1 - LOWER WING DEPENDENT VARIABLE CP

Y/CW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
.700	-.3653			-.4145	-.4235		
.725						-.5133	-.4474
.750			-.3922				
.750				-.6619	-.5657		
.775			-.5421				
.800							
.834	-.3938			-.3939	-.3824	-.3857	
.853							
.857			-.4065				
.855	-.4689						
.900	-.4000		-.2937	-.2576	-.0813		-.3125
.905					-.1202	.0000	
.950			-.1617				
.955							
.965	-.2994						

ALPHA = 11.5 -7.090 BETA = 5.1 - 5.160

SECTION 1 - LOWER WING DEPENDENT VARIABLE CP

Y/CW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
.700	-.0618	-.0409	.0137	-.1189	-.1455	-.1649	-.1727
.725				-.1433	-.1289	-.1090	-.0679
.750			-.3631				
.750		-.0381					
.775			-.3928				
.800							
.834	-.1081			-.0147	-.1260	-.1090	-.0627
.853					-.5921		
.855			-.3537				
.857		-.0592					
.859							
.900	-.1230			-.4329	-.7816	-.1140	-.0643
.905							
.950		-.0983					
.955			-.5312				
.965							
.970	-.0712						
.975		-.2491					
.980				-.3567	-.3670	-.1010	-.9124
.985			-.3026				
.990	-.1033						
.995		-.2693					
.998				-.2961	-.3484		-.7981
.999			-.2976				
.999		-.2496					

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL42)

LOWER WING

ARC11-716 1A14 01+112+512+25

ALPHA(1) = -7.970 BETA(1) = 0.160

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.5340	.6730
.7000	.7800	.8870
.3414	-.3816	-.4180
-.3446	-.3314	-.4010
-.3940	-.4936	-.3907
-.3784	-.6137	-.5160
-.4828	-.4041	-.3328
-.3849	-.2769	-.2025
-.2978	-.0932	.0000
-.1394	-.1906	
-.2891		

ALPHA(2) = -4.020 BETA(2) = -0.060

SECTION (2) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.5340	.6730
.7000	.7800	.8870
.3414	.4414	.3011
-.6145	-.9372	-1.0300
-.1193	-.1072	-.5934
-.1872	-.3556	-.4916
-.1635	-.3140	-.7114
.0920	-.1677	-.2203
-.0677	-.0565	-.2088
.0438	-.1107	-.3286
.246	-.1284	-.1904
.250	-.2230	-.3079
.274	-.1061	
.362		







DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A16A - VOL. 5

(RBL42)

LOWER WING

ARC11-716 1A14 01+12+512425

ALPHA( 2 ) = -4.040 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.190						
.163						
.177						
.229						
.245						
.250						
.274						
.362						
.390						
.400						
.402						
.497						
.550						
.565						
.603						
.650						
.700						
.725						
.750						
.760						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.950						
.953						
.965						

ALPHA( 2 ) = -4.040 BETA( 4 ) = 4.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2900 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000						
.020						
.030						
.040						
.048						
.050						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2166

(R01L42)

LOWER WING

ARC11-716 1A14 01-712-512N25

ALPHA( 2 ) = -4.940 BETA( 4 ) = 4.070

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

.080 -.4222

.085

.086 -.2346

.094

.150 .0316

.163

.177 -.0082

.229

.246 -.2334

.250

.271 -.1763

.362

.390 -.2148

.400

.402 -.1902

.497

.550 -.2055

.565

.600 -.2945

.650

.700 -.2806

.725

.750 -.3125

.760

.775 -.3041

.808

.834 -.3657

.850

.857 -.5077

.865

.900 -.3797

.925

.950 -.3922

.953

.965 -.3572

.965 -.3157

.965 -.2513

.965 -.2833

.965 -.1077

.965 -.1550

.965 -.0685

.965 -.1966

.965 .0000



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 3

(R81L42)

LOWER WING

ARC11-716 TAIL CL-112-S12H23

ALPHA( 2 ) = -4.040 BETA( 5 ) = 0.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .8900 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.11905	-.0250	.1049	.0884	-.1039	-.2240	-.1400
.020				-.7294	-1.2510	-1.1720	-1.0520
.030			-.1617				
.040		.0036					
.048			-.2046				
.050	-.1286			-.4390	-.6481	-.9270	-.9461
.090				-.3736			
.095			-.1997				
.086		.0006					
.094	-.1295			-.2845	-.3391	-.4323	-.5870
.150			-.0268				
.163							
.177			-.2059				
.229	-.0655						
.246		-.1608					
.250				-.2392	-.3113	-.3334	-.3983
.274			-.2108				
.362	-.0636						
.390		-.1893					
.400				-.2245	-.2770		-.2896
.402			-.2150				
.497	-.1841			-.2988	-.3327		
.550			-.2874				
.565							
.600							
.650							
.700	-.3129						
.725				-.3543	-.3709		-.2969
.750			-.3432			-.4545	-.3934
.760				-.5188	-.4782		
.775			-.4459				
.808							
.834	-.3462			-.3566	-.3490	-.2.74	
.850			-.3673				
.857							
.865	-.3971						
.900	-.3376			-.2462			-.1877
.905			-.2948	-.0782			
.950				-.1358			.0000
.953			-.1833				
.965	-.2588						

(R81L42)

LOWER WING

ARC11-716 IA14 01+712+512N25

ALPHA( 3) = -.320 BETA( 1) = -0.060

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.000	.0398	.1145	.4223	.5616	.5364	.4968	.5202
.020				-.1749	-.2486	-.3088	-.3875
.030		.1235					
.040		.1752					
.048			.0157				
.050	-.0021			-.1321	-.1928	-.2364	-.3121
.060				-.1188			
.085			-.0125				
.096		.1697					
.094	-.0305			-.0662	-.0637	-.1241	-.1713
.150							
.163		.1473					
.177			-.0374				
.229	.0801						
.246		-.0170					
.250			-.0290	-.0490	-.1016	-.1251	-.2080
.274							
.362	.0914						
.390		-.0165					
.400				-.0562	-.1414		-.1969
.402			-.0309				
.497	-.0179						
.550				-.2070	-.2560		
.565			-.1931				
.600						-.2772	
.700	-.1675			-.3107			
.725				-.3701	-.3655		
.750						-.5061	-.4150
.760		-.3601					
.775			-.6183	-.5270			
.808		-.6172					
.834	-.4185						
.850			-.4090	-.3537	-.3151		
.857		-.4047					
.865	-.5272						-.2228
.900	-.4151		-.2547	-.0449			
.905			-.2703				
.950				-.0793		.0000	
.955			-.1217				
.965	-.1835						



DATE 17 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(R81142)

LOWER WING

ARC11-716 1A14 01+12+512N25

ALPHA( 3) = -.340 BETA( 2) = -4.010

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.0111	.0741	.3690	.4846	.4463	.3986	.4251
.020				-.2915	-.3853	-.4585	-.5308
.030			.0495				
.040		.1292					
.048			-.0532				
.050	-.0423			-.2127	-.2789	-.3355	-.4001
.080				-.1879			
.085			-.0745				
.096		.1229					
.094	-.0683						
.150				-.1232	-.1340	-.1783	-.2215
.163		.1031					
.177			-.0924				
.229	.0394						
.246		-.0664					
.250				-.0948	-.1472	-.1714	-.2554
.274			-.0758				
.362	.0493						
.390		-.0648					
.400				-.0932	-.1680		-.2302
.402			-.0707				
.497	-.0678						
.550				-.2293	-.2796		
.565			-.2118				-.2945
.600							
.650				-.3640		-.3259	
.700	-.2232				-.3782		
.725							-.5900
.750			-.3549				-.4276
.760							
.775			-.5904		-.6149	-.5541	
.808							
.834	-.3930			-.4053	-.3579	-.3148	
.850			-.3968				
.857							
.865	-.4864						-.2098
.900	-.3953			-.2579			
.905			-.2692		-.0458		
.950				-.0886			.0000
.953			-.1167				
.965	-.1850						

(881142)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

ARC11-716 1A14 01+712+812N25

ALPHA(3) = -.340 BETA(3) = .050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.0628	.0342	.3160	.4023	.3526	.3036	.3345
.020				-.3606	-.4965	-.5480	-.6334
.030			.0259				
.040		.0991					
.048			-.0826				
.050	-.0704			-.2460	-.3348	-.3973	-.4781
.080				-.2286			
.085			-.1055				
.086		.0975					
.094	-.0769						
.150				-.1654	-.1705	-.2177	-.2631
.163		.0746					
.177			-.1241				
.229	.0174						
.245		-.0899		-.1311	-.1742	-.2015	-.2020
.250							
.274			-.1145				
.362	.0234						
.390		-.0990		-.1230	-.1904		-.2480
.400							
.402			-.1052				
.497	-.0971			-.2360	-.2897		
.550							
.565			-.2213			-.3315	-.3048
.600				-.3615	-.3760		
.650							
.700	-.2334					-.4953	-.4326
.725							
.750			-.3480	-.6114	-.5756		
.760							
.775			-.5708				
.808							
.834	-.3592			-.4039	-.3609	-.3074	
.850			-.4028				
.857							
.865	-.4460						-.2000
.900	-.3824			-.2520			
.905			-.2788	-.0522			
.950				-.0906		.0000	
.953			-.1278				
.955	-.2201						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IALCA - VOL. 5

(RB1L42)

LOWER WING

ARC11-716 IAL4 01+712+512+25

ALPHAO(3) = -.350 BETA0 (4) = 4.090

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1259	-.0191	.2544	.3205	.2519	.2039	.2427
.020				-.3915	-.5504	-.6108	-.6984
.050			.0235				
.080		.0469					
.110			-.0918				
.140	-.0989			-.2755	-.3792	-.4317	-.5139
.170				-.2512			
.200			-.1187				
.230		.0587					
.260	-.0918						
.290		.0471		-.1949	-.2034	-.2527	-.2921
.320			-.1502				
.350							
.380	-.0056		-.1437				
.410		-.1385					
.440			-.1556				
.470	-.1309			-.1539	-.2212		-.2668
.500			-.2619	-.2574	-.3141		
.530							
.560							
.590							
.620							
.650							
.680	-.2854			-.3625	-.3687		-.3055
.710							
.740			-.3473				
.770				-.5957	-.5261		
.800			-.4937				
.830	-.3567						
.860				-.3996	-.3597	-.3093	
.890			-.3745				
.920	-.4129						
.950	-.3576			-.2526			-.1855
.980			-.2750	-.0614			
.990				-.1900		.0000	
.995			-.1470				
.998	-.2512						

(RBL42)

LOWER WING

ALPHA(°) = -.340 BETA(°) = 0.160

DEPENDENT VARIABLE C<sub>p</sub>

SECTION (1) LOWER WING

Y/BW	.2890	.3640	.4270	.5340	.6730	.7803	.8870
X/CW							
.000	-.2105	-.0574	.0958	.2510	.1657	.0921	.1471
.020				-.3690	-.5791	-.6783	-.7509
.030				-.0562			
.040				-.0305			
.048				-.0702			
.050	-.1725			-.2447	-.3891	-.4689	-.5079
.080				-.2285			
.085				-.0991			
.086				-.0030			
.094	-.1530						
.150				-.1816	-.2147	-.2728	-.3143
.163				.0085			
.177				-.1301			
.229	-.0593						
.246				-.1053			
.250							
.274				-.1429			
.362	-.0289			-.1701	-.2244	-.2429	-.3180
.390				-.1415			
.400							
.402				-.1693	-.1804	-.2295	-.2694
.437	-.1370						
.550				-.2571	-.2993		
.565				-.2350			
.600							
.650							
.700	-.2815						
.725				-.3312	-.3444	-.3163	-.2898
.750							
.760				-.3148	-.4739	-.4383	
.775				-.4154			
.808							
.834	-.3343						
.850				-.3243	-.3208	-.2837	
.857				-.3439			
.865	-.3753						
.900	-.3327			-.2356			
.925				-.2750	-.0726		-.1596
.950				-.1246			.0000
.953				-.1695			
.965	-.2331						



$$\text{MEHCHO}(1) = 4.225 \quad \text{BETAC}(1) = -8.055$$

SECTION / NUMBER USING  
DEPENDENT VARIABLE C/P

Y/BW	Y/CW	.2890	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.0091	.0281	.3858	.5786	-.2355	.0368	.2896	
.020				.5215	-.2331	-.0151	-.2149	
.030				.3099				
.040			.2166					
.049				.1882				
.050	.0330			.5818	-.1337	-.0630	-.0197	
.060				.5469				
.065				.1339				
.080			.2410					
.094	.0109							
.150			.2390		.4335	-.1131	-.0792	.1525
.163								
.177		.1221		.0779				
.229			.0827					
.246				.0661				
.250					.3182	-.2276	-.0764	.1636
.274								
.362	.1599							
.390			.0656					
.400				.0347				
.402					.1778	-.3123		.1593
.497	.0572							
.550					-.0986	-.3421		
.565				-.1503				-.0966
.600							-.0411	
.650								
.700	-.1353					-.3332		
.725					.0237		-.0741	-.0754
.750								
.760				-.3453				
.775					.0899	-.2262		
.800				-.6257				
.834								
.850	-.4140				.0600	-.1465	-.0369	
.857				-.4087				
.865								-.0978
.900	-.5170				-.0452			
.905				-.2738	-.0334			.0000
.950	-.4003				-.1990			
.953				-.1210				
.965	-.1605							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A VOL. 5

(R01L42)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA( 4) = 4.210 BETA( 2) = -4.030

DEPENDENT VARIABLE CF

SECTION ( 1) LOWER WING

Y/B	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.0624	.0076	.3606	.3399	.4572	.4191	.3792
.020	.0330	.2489	.1216	.0407	.0572	.0531	.0177
.040	.048	.1708	.0146	.0146			
.060	-.0136		.0609				
.080	.085	.1957					
.100	.034	-.0318	.0216	.0501	.0213	-.0291	
.120	.163	.1943					
.140	.177	.0260					
.160	.229	.0834	.0139	-.0193	-.0311	-.1324	
.180	.246	.0341	.0207				
.200	.250						
.220	.274						
.240	.362	.1182	.0191	-.0142	-.0845	-.1465	
.260	.390						
.280	.400						
.300	.402						
.320	.437	.0159	-.0916				
.340	.550			-.1711	-.2171		
.360	.565		-.1653				
.380	.600						
.400	.650						
.420	.700	-.1732		-.3506	-.2930	-.2586	
.440	.725			-.3480			
.460	.750						
.480	.760						
.500	.775			-.6104	-.5377		
.520	.808			-.6010			
.540	.834	-.3864					
.560	.850			-.4247	-.3979	-.3693	
.580	.857			-.4025			
.600	.865	-.4869					
.620	.900	-.3884		-.2808			
.640	.905			-.2696	-.0722	-.2677	
.660	.950			-.0935			
.680	.955						
.700	.965	-.1759		-.1132			





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L42)

LOWER WING

ARC11-716 1A14 01-012+512N25

ALPHA(4) = 4.200 BETA(4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/CW	0.00	0.20	0.30	0.40	0.50	0.60	0.80	1.00	1.20	1.40	1.60	1.80	2.00	2.20	2.40	2.60	2.80	3.00	3.20	3.40	3.60	3.80	4.00	4.20	4.40	4.60	4.80	5.00	5.20	5.40	5.60	5.80	6.00	6.20	6.40	6.60	6.80	7.00	7.20	7.40	7.60	7.80	8.00	8.20	8.40	8.60	8.80	9.00	9.20	9.40	9.60	9.80	10.00				
0.00	-.2121	-.1276	.2331	.4138	.3796	.3177	.2940	-.0495	-.0891	-.0327	-.0153	.1617	.0217	.0519	-.0330	-.0819	-.0847	-.1072	-.0797	-.0035	.0978	-.0626	.1115	-.0472	-.0339	-.0779	-.1042	-.1068	-.1720	-.0932	-.1523	-.2017	-.0940	-.2182	-.2609	-.2224	-.3476	-.3635	-.3097	-.2764	-.3476	-.3295	-.5730	-.5180	-.4811	-.3787	-.3724	-.3472	-.3499	-.2386	-.2389	-.2439	-.0555	-.0793	.0000	-.1193	-.1999



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DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 3

(881L42)

LOWER WING

ARC11-716 IAI14 OL-118-512825

ALPHA(1) = 0.070 ELTAO (1) = -0.050

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

X/CW	.2990	.3440	.4270	.5340	.5730	.7800	.8870
.000	-.0628	-.0372	.3322	.3476	.4213	.2377	.1785
.020			.4085	.3959	.4428	.5036	.4728
.040		.2348					
.060			.2836				
.080	.0319			.2658	.3383	.3482	.3062
.100			.2151	.2017			
.120		.2845					
.140	.0361			.1678	.2271	.2174	.1502
.160	.1153	.2864					
.180	.1323		.1336				
.200				.1220	.1227	.1179	.3381
.220	.1153						
.240	.1928	.1028		.0605	.0125		-.0429
.260			.0769				
.280	.1002			-.1113	-.1347		
.300			-.1203				-.2223
.320					-.2441		
.340				-.3248			
.360					-.4510	-.3623	
.380				-.3363	-.5748	-.4774	
.400							
.420				-.5910			
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



(RBL42)

LOWER WING

TABULATED PRESSURE DATA - TABLE 10  
 ANGLE-716 TAIL-01012+512023

DATE 11 JAN 75

ALPHA (5) = 8.000 BETAS (2) = -3.590

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/94	.2990	.3640	.4270	.5340	.6730	.7800	.8670
X/CW							
.000	-.1262	-.0959	.2971	.5214	.4061	.2332	.1303
.020			.3446	.2959	.3577	.1338	.4073
.030							
.040		.1730					
.048			.2193				
.050	.0006			.1084	.2623	.2832	.2476
.060				.1323			
.085			.1545				
.086		.2324					
.094	-.0084			.1100	.1767	.1680	.1095
.150		.2412					
.163			.0893				
.177		.1041					
.223		.0863		.0769	.0762	.0790	.0041
.246			.0703				
.250							
.274							
.352	.1510	.0613		.0236	-.0160		-.0717
.390							
.400							
.402			.0348				
.497	.0326			-.1399	-.1523		
.550			-.1445				
.565							
.600							
.650							
.700	-.1559						
.725				-.3230			
.750							
.760			-.3268				
.775				-.5586	-.4772		
.808			-.5678				
.834	-.3834						
.850				-.4048	-.3967	-.3752	
.857			-.3765				
.865	-.4602						
.900	-.3590			-.2716			
.935			-.2556		-.0916		
.950				-.0851		.0000	
.953			-.1035				
.965	-.1401						

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L42)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( 5) = 7.970 BETA( 3) = .050

DEPENDENT VARIABLE CP

SECTION ( 1) LOWER WING

Y/BW .2990 .3640 .4270 .3340 .6730 .7800 .8870

X/CW

.000	-.1985	-.1629	.2431	.4686	.3848	.2229	.1045
.020			.2039	.2623	.3486	.3308	
.030		.1089	.2856				
.040			.1628				
.048				.1224	.1799	.2121	.1772
.050	-.0564		.1092	.0753			
.080							
.085			.1793				
.086				.0589	.1234	.1159	.0495
.094	-.0418						
.150		.2031	.0443	.0308	.0280	.0324	-.0449
.163							
.177			.0403				
.223	.0762						
.246							
.250			.0304				
.274							
.362	.1182						
.390		.0208					
.400							
.402			-.0013	-.0110	-.0567		-.1059
.497	.0193						
.550				-.1620	-.1922		
.565			-.1691				
.600							
.650							
.700	-.1743						
.725				-.3235	-.3279		
.750							
.760			-.3147				
.775				-.5661	-.4907		
.808			-.5229				
.834	-.3486						
.840							
.857			-.3575	-.3901	-.3834	-.3771	
.865	-.4231						
.900	-.3456			-.2513			-.2881
.905			-.2432	-.0731			
.950				-.0753			.0000
.953			-.0960				
.965	-.1594						



ARCHITECTURAL DATA COLLECTIONS

BETAS (4) = 4.130

## DEPENDENT VARIABLE CP

## SECTION 1 LOWER WING

Y/BW	.2340	.3640	.4270	.5140	.6730	.7830	.8870
X/CW							
.000	-.3116	-.2859	.1382	.3985	.3526	.2125	.0943
.020				.1373	.1680	.2556	.2691
.030			.2365				
.040		-.0120					
.045			.1235				
.050	-.1167			.0727	.1021	.1414	.1276
.080				.0325			
.085		.1104	.0704				
.096							
.094	-.0807						
.150		.1556		.0049	.0726	.0621	.0116
.163							
.177		.0089					
.229	.0288						
.245		.0103					
.250				-.0163	-.0179	-.0034	-.0712
.274		-.0111					
.352	.0803						
.390		-.0259					
.400				-.0512	-.0937		-.1314
.402			-.0551				
.437	-.0319						
.550			-.1834	-.2140			
.565		-.1984					
.600							
.650							
.700	-.2252						
.725				-.3274			
.750							
.760							
.775			-.3112				
.808				-.5338	-.4746		
.834	-.3264						
.850							
.857							
.865	-.3693						
.900	-.3105						
.905							
.950							
.953							
.965	-.1750						

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L42)

LOWER WING

ARC11-716 1A14 01+T12+S12H25

ALPHA( S ) = 7.940 BETA( S ) = 0.220

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4486	-.2336	-.1133	.2573	.3291	.2061	.1033
.020				.0942	.0825	.1772	.1961
.030			.0681				
.040		-.1237					
.048			.0616				
.050	-.2331			.0369	.0368	.0737	.0686
.080				.0000			
.085			.0500				
.086		-.0094					
.094	-.1561			-.0055	.0199	.0159	-.0219
.150			.0673				
.163							
.177			.0099				
.229	-.0250						
.246		.0046					
.250				-.0430	-.0620	-.0373	-.0982
.274			-.0225				
.362	.0326						
.390		-.0333					
.400				-.0679	-.1202		-.1316
.402			-.0741				
.497	-.0403			-.1924	-.2106		
.550			-.1925				
.565							-.2399
.600							
.650							
.700	-.2289					-.2707	
.725				-.2921			
.750						-.4346	-.3829
.760							
.775			-.2779				
.808			-.3513				
.834	-.3062						
.850				-.2884	-.3271	-.3269	
.857			-.2776				
.865	-.3408						
.900	-.2921			-.2035			-.2451
.905			-.2039		-.0684		
.950				-.0690		.0000	
.953			-.1113				
.965	-.1797						



PARAMETRIC DATA

REF # 2.4210 54.01 7489 29.5800 INCHES  
 CRP # 30.7030 14.02 7489 16.0000 INCHES  
 WAF # 38.7090 14.02 7489 10.0000 INCHES  
 SCALE # .0300 SCALE

ALPHA (1) = -7.000 BETA (1) = -0.020

SECTION C 11000R WING DEPENDENT VARIABLE CP

Y/BW	.8990	.9640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	.0427	.0571	.2780	.3062	.2004	.0975	.1475
.020				-1.2460	-1.2510	-.9572	-.7592
.030				-.3472			
.040		.0194					
.045				-.3541			
.050	-.0675			-.7535	-1.1870	-.9353	-.7581
.055				-.4874			
.065				-.2334			
.095		.0355					
.094	-.0348						
.150		.0142		-.3183	-.6344	-.9100	-.7484
.163							
.177				-.2502			
.229	.0376						
.245		-.1862					
.250				-.1876	-.2076	-.7264	-.7447
.274				-.1750			
.362	.0121						
.390		-.1594					
.400				-.0786	-.1501		-.6624
.402				-.0777			
.497	-.1338						
.550				-.1698	-.2740		
.565				-.1304			
.600							
.650							
.700	-.1155						
.725				-.6859	-.6261		-.5124
.750							
.760				-.7818			
.775							
.808				-.6697	-.6018	-.7831	
.834	-.6601						
.850							
.857				-.4168	-.3674	-.4359	
.865	-.5053			-.4567			
.900	-.4372			-.2991			
.905				-.2800	-.0736		-.3153



DATE 11-09-75  
 DEBUNTER REFERENCE DATA - ITALIA - 12-1-75  
 LOWER V - 10310.33

ALPHA (1) = 7.182 BETA (2) = -4.000

SECT A - DUBOIS WING DEPENDENT VARIABLE CP

Y/BW	.2400	.3640	.4770	.5340	.6730	.7800	.8870
X/CW							
.837				-.4215			
.855							
.900				-.2904			-.3363
.905				-.2901	-.0935		
.950				-.1898		.0000	
.953				-.1907			
.965		-.2544					

ALPHA (1) = -7.780 BETA (3) = .040

SECT B - DUBOIS WING DEPENDENT VARIABLE CP

Y/BW	.2400	.3640	.4770	.5340	.6730	.7800	.8870
X/CW							
.000	-.0113	-.0128	.1276	.0903	-.0755	-.2119	-.1308
.020				-1.3100	-1.2210	-1.0040	-.7940
.020			-.4908				
.040		-.0048					
.048				-.4036			
.050	-.0736			-1.1000	-1.2000	-.9892	-.7730
.080				-.6419			
.085				-.3575			
.096		-.0004					
.094	-.0923						
.150				-.4544	-1.0890	-1.0000	-.7461
.163		-.0287					
.177			-.3419				
.229	.0057						
.246		-.2405					
.250				-.3296	-.1930	-1.0630	-.7932
.274			-.2942				
.362	-.0328						
.390		-.2488					
.400				-.1750	-.2045		-.8206
.472							
.497	-.2287						
.530				-.2347	-.3230		
.559			-.2136				
.600							-.5935
.650						-.3982	
.700	-.2346					-.6791	
.725				-.7274			
.757						-.5792	-.4733
.760						-.5360	

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L43)

LOWER WING

ARC11-716 1A14 01+712+512H25

ALPHAD (1) = -7.780 BETAD (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.775 -.7464 -.8126

.808 -.6743

.834 -.3989

.850 -.4345

.865 -.5125

.900 -.4645

.905 -.2790

.950 -.2432

.953 -.1105

.965 -.1536

.965 -.1672

ALPHAD (1) = -7.850 BETAD (4) = 4.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.0229 -.0028 .0816 -.0066 -.1967 -.3446 -.2611

.020 -.12863 -1.2470 -1.0390 -.8278

.030 -.3412

.040 .0135

.048 -.3655

.050 -.0591

.080 -1.0670 -1.1400 -1.0210 -.8173

.085 -.6231

.085 -.3369

.085 .0036

.094 -.0740

.150 -.4668 -1.1580 -1.0910 -.7991

.163 -.0340

.177 -.3388

.229 -.0163

.246 -.2316

.250 -.3811 -.2793 -1.1230 -.8590

.274 -.3226

.362 -.0576

.390 -.2735

.400 -.2489 -.2493

.402 -.2880

.497 -.2422

.550 -.2866 -.3569

.565 -.3011

.600 -.5893

.650 -.4368







TABLE 1. PRESSURE DATA - INFLA - VOL 3

(381.43)

LOWER WING

ARCTIC-716 DATA 1-10-51N25

ALPHA (2) = -3.802 BETA (1) = -5.063

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W .8933 .3640 .4270 .5340 .6750 .7800 .8870

X/CW						
.390	-.0354					
.400		-.0156	-.1094			-.2519
.402		-.0005				
.497	-.0382					
.550		-.1421	-.2573			
.565		-.0955				
.633						-.3677
.650					-.4337	
.700	-.0753		-.5686			
.725			-.6272			
.750				-.5738		-.5858
.763		-.7246				
.775		-.7556	-.7615			
.819		-.6566				
.834	-.6348					
.850			-.3714	-.2767	-.2656	
.857			-.4287			
.955	-.4666			-.2453		-.1906
.990	-.4782			-.0631		
.915		-.2663		-.0631		
.950			-.1459		.0000	
.953		-.1702				
.965	-.1268					

ALPHA (2) = -3.890 BETA (2) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W .2993 .3640 .4270 .5340 .6750 .7800 .8870

X/CW						
.000	.0216	.0927	.3277	.3920	.3033	.2202
.020				-.6749	-1.1210	-1.0420
.030			-.1089			
.040		.0968				
.048			-.1874			
.053	-.0546			-.3934	-.4906	-.7614
.060				-.3536		
.085			-.1742			
.086		.0907				
.094	-.0775					
.133				-.2177	-.2268	-.3048
.163		.0810				-.4157
.177			-.1661			
.229	.0413					

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L43)

LOWER WING

ARC11-716 1A14 01+12+512825

ALPHA (2) = -3.890 BETA (2) = -4.920

SECTION 1: LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		

.246	-.1170	-.1274	-.1713	-.2102	-.3146
.250					
.274		-.1153			
.362	.0430				
.390	-.0899	-.0536	-.1456		-.2858
.400		-.0506			
.432					
.497	-.0912	-.1696	-.2776		
.550		-.1225			
.565					
.610					
.650					
.700	-.1142	-.6421	-.5910	-.4640	-.3834
.725					
.750		-.7282	-.7581	-.7664	-.5982
.760					
.775		-.6733			
.808		-.4027			
.834	-.4099	-.4050	-.3134	-.2863	
.850					
.857					
.865	-.4670	-.2440			-.2111
.900	-.4372	-.2712	-.1103	.0000	
.935		-.1326			
.950		-.1660			
.953					
.965	-.2264				

ALPHA (2) = -3.840 BETA (3) = .030

SECTION 1: LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(881143)

LOWER WING

ARC11-716 1A14 01+112+312H25

ALPHADY 2) = -3.000 OCTAD ( 4) = 4.090

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2000 .3640 .4270 .5340 .6730 .7800 .8870

X/CW						
.080						
.085						
.086						
.094						
.150						
.165						
.177						
.224						
.246						
.250						
.274						
.362						
.390						
.401						
.432						
.497						
.513						
.565						
.600						
.640						
.700						
.725						
.750						
.770						
.775						
.808						
.834						
.850						
.857						
.865						
.900						
.905						
.930						
.935						
.965						

-.3092

-.1849

.0594

-.0723

.0248

-.2113

-.1426

-.1915

-.11674

-.1027

-.2519

-.3496

-.2620

-.5241

-.4025

-.5838

-.4293

-.2457

-.2950

-.1248

-.1692

-.3092

-.2010

-.5106

-.7007

-.5637

-.5479

-.6566

-.3060

-.2949

-.1907

-.0936

.0000

-.5256

-.4193

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

-.5256

(R81L43)

DATE 11 JAN 73 TABULATED PRESSURE DATA - TAL4A - VOL. 5  
ARC11-716 TAL4 01-716+512N35 LOWER WING

ALPHA( 2 ) = -3.930 BETA( 5 ) = 0.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BU .2995 .3640 .4270 .5340 .6790 .7800 .8870

X/CM

.000	-.1171	-.0108	.0937	.1507	-.0295	-.1541	-.0801
.020				-.6398	-1.1750	-.9646	-.8762
.030			-.0989				
.040		.0165					
.048			-.1330				
.050	-.1107			-.3055	-.6784	-.8988	-.8550
.080				-.3405			
.085			-.1484				
.086		.0173					
.094	-.1270			-.2590	-.3071	-.3261	-.7589
.150			-.0002				
.163			-.1709				
.177							
.229	-.0915						
.246		-.1227		-.2196	-.2884	-.2978	-.5088
.250			-.1793				
.274							
.362	-.0319		-.1673				
.390				-.2041	-.2698		-.3529
.400							
.402			-.1925				
.497	-.1328			-.2897	-.3708		
.550				-.2798			
.565							
.600							
.650						-.4518	-.5139
.700	-.8964			-.4025			
.725						-.5063	-.5101
.750			-.3744				
.775				-.5923	-.6051		
.808			-.5034				
.834							
.850	-.3708			-.3953	-.3575	-.2815	
.857			-.4138				
.865	-.4281						
.900	-.3926			-.2745			-.1799
.905			-.3408		-.0874		
.950				-.1577		.0000	
.955			-.2171				
.965	-.8954						

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R81L43)

LOWER WING

ARC11-716 IA14 01+712+512N25

ALPHA(3) = -.310 BETA(1) = -.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	.0421	.1357	.4348	.5990	.5660	.5276
	.020			.1826	-.1014	-.1807	-.2216
	.030		.2074				
	.040			.0591			
	.050	.0083		-.0029	-.1383	-.1759	-.2525
	.060			-.0735			
	.085		.0365				
	.096		.2084				
	.099	-.0173			-.0206	-.0087	-.0658
	.105		.1927				
	.163		.0085				
	.177						
	.229	.1046					
	.245		.0315		.0105	-.0361	-.0690
	.250			.0273			-.1919
	.274						
	.362	.1394	.0366		.0250	-.0683	
	.390			.0448			-.2065
	.400						
	.402				-.1255	-.2302	
	.497	.0341		-.0847			-.3729
	.550					-.4232	
	.563				-.6085		
	.600					-.5423	-.5681
	.650						
	.700	-.0612					
	.725						
	.750			-.6884			
	.760				-.7133	-.7189	
	.775			-.5674			
	.808						
	.834	-.5320			-.3806	-.2984	-.2962
	.850			-.3937			
	.857						
	.865	-.4384					
	.900	-.3993		-.2199			-.2033
	.905			-.2457	-.0661		
	.950				-.1086		.0000
	.953			-.1426			
	.965	-.1878					



TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L43)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA(3) = -.330 BETA(2) = -5.040

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

T/W	.2990	.3640	.4270	.5340	.6730	.7890	.8870
X/CW							
.000	.0053	.1009	.3937	.5405	.5014	.4601	.4770
.020				-.1899	-.2638	-.3287	-.3834
.030			.1344				
.040		.1755					
.048			.0205				
.050	-.0212			-.1330	-.1977	-.2457	-.3219
.080				-.1198			
.085			-.0053				
.086		.1769					
.094	-.0408			-.0397	-.0565	-.1069	-.1738
.150		.1582					
.163			-.0311				
.177	.0759						
.229		-.0094					
.246			-.0157	-.0275	-.0694	-.1023	-.2298
.250							
.274	.1075						
.362		-.0010		-.0076	-.0956		-.2411
.350			.0044				
.402				-.1490	-.2521		
.497	-.0071		-.1179				-.3949
.550						-.4593	
.565				-.6213	-.5880		
.600						-.5466	-.5703
.650							
.700	-.1030						
.725							
.750			-.6131	-.6732	-.7077		
.760							
.775			-.6175				
.808							
.834	-.3830			-.4016	-.2930	-.2845	
.850			-.3984				
.857							
.865	-.4419						-.1938
.900	-.4145			-.2251			
.905			-.2337	-.0767			
.955			-.0991			.9000	
.953			-.1294				
.965	-.1968						

ORIGINAL  
OF, POOR

DATE 11 JAN 73 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L43)

LOWER WING

ARC11-716 1A14 01+112+512M25

ALPHA( 3 ) = -.340 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0358	.0378	.3212	.4398	.3764	.3246	.3538
.020				-.2878	-.4217	-.4906	-.3465
.040		.1257	.0892				
.060							
.080							
.100							
.120							
.140							
.160							
.180							
.200							
.220							
.240							
.260							
.280							
.300							
.320							
.340							
.360							
.380							
.400							
.420							
.440							
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(801L43)

LOWER WING

ARC11-716 IAI4 OUT12+512R25

ALPHA(3) = -.330 BETAD (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1239	-.0109	.2593	.3548	.2787	.2236	.2651
.020				-.3204	-.4940	-.5634	-.6134
.040		.0663	.0781				
.060			-.0274				
.080	-.0507		-.2233	-.3360	-.3940	-.4890	
.100			-.2110				
.120		.0925	-.0632				
.140	-.0771			-.1605	-.1700	-.2131	-.2813
.160		.0814					
.180			-.1030				
.200	.0084		-.0673	-.1321	-.1676	-.1934	-.3200
.220			-.1066				
.240	.0340			-.1130	-.1731		-.3253
.260		-.0940					
.280			-.1130				
.300	-.0881			-.2239	-.3185		
.320			-.2208				
.340							-.4278
.360				-.4511	-.5411		
.380	-.2523					-.5001	-.5384
.400							
.420			-.3642				
.440			-.5525	-.5843	-.5928		
.460							
.480	-.3872			-.4412	-.3545	-.2694	
.500			-.4213				
.520							
.540	-.4303			-.2432			-.1717
.560	-.3834		-.2976	-.0604			
.580			-.1106				
.600			-.1672				
.620	-.2583						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3 (RB1L43) LOWER WING

ARC11-716 1A14 01+T12+512N25

ALPHA(3) = -.310 BETA(3) = 0.150

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2143	-.0459	.0968	.2643	.1873	.1012	.1584
.020				-.2834	-.5519	-.6515	-.7296
.030			.0260				
.040		-.0179					
.048			-.0284				
.050	-.1679			-.1881	-.3521	-.4448	-.4833
.060				-.1758			
.085			-.0546				
.096		.0186					
.094	-.1452						
.150		.0297		-.1455	-.1890	-.2492	-.3188
.163							
.177			-.0891				
.229	-.0409						
.246		-.0668					
.250			-.1099				
.274				-.1385	-.1983	-.2299	-.3490
.362	.0014						
.390		-.1038					
.400				-.1156	-.2124		-.3456
.402			-.1369				
.497	-.0932			-.2498	-.3289		
.550			-.2311				
.565						-.3132	
.600				-.3980			
.650					-.3960		
.700	-.2521			-.3623			
.725					-.4910	-.5030	
.750			-.3391				
.760			-.5349	-.5150			
.775			-.4602				
.808							
.834	-.3448			-.3655	-.3335	-.2656	
.850			.0812				
.857							
.865	-.3947						
.900	-.3663			-.2614	-.0941		-.1350
.905			-.3162				
.950			-.1440			.0000	
.955			-.1983				
.965	-.2688						



(R51L43)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

ARC11-716 1A14 OL+T12+S12H25

ALPHA(4) = 4.130 BETA(1) = -0.090

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/OW .2992 .3640 .4270 .5340 .6730 .7800 .0070

X/CW

.000	-.0103	.0521	.4093	-.6212	-.5853	.5126	.4767
.020				.2140	.2053	.2456	.2357
.030			.3476				
.040		.2443					
.046			.2203				
.050	.0374			.1453	.1559	.1413	.0853
.060				.1114			
.065			.1749				
.066		.2742					
.094	.0198			.1122	.1359	.1020	.0237
.150							
.163		.2754					
.177			.1132				
.229	.1454						
.246		.1203		.1003	.0652	.0389	-.0902
.253			.1068				
.274							
.362	.1986						
.390		.1085		.0746	-.0081		-.1355
.400			.0929				
.402							
.497	.1000			-.0904	-.1813		
.590			-.0630				-.1280
.565							
.600							
.650							
.700	-.0454			-.3410			-.3718
.725							
.750							
.760			-.5511				
.775				-.5787	-.6040		
.808			-.6790				
.834	-.4645						
.850				-.6354	-.7154	-.7290	
.857			-.4595				
.865	-.4463						
.900	-.4211			-.2356			-.5860
.935			-.2575		-.0776		
.950				-.0929			.0000
.953			-.1338				
.965	-.1745						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(R81L43)

LOWER WING

ARC11-716 IAI4 DIV112+512N25

ALPHA(4) = 4.050 BETA(3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.1178	-.0310	.3163	.5096	.4706	.3976	.3649
.020				.0337	.0076	.0671	.0693
.033			.2341				
.040		.1350					
.048			.1101				
.050	-.0450			.0154	.0031	.0020	-.0493
.055				-.0057			
.065			.0688				
.090		.1820					
.094	-.0386			.0040	.0335	.0030	-.0321
.110		.1933					
.117			.0184				
.220	.0759	.0332					
.246				.0102	-.0248	-.0452	-.1655
.249			.0159				
.274		.1221					
.342			.0210				
.373				-.0013	-.0815		-.2212
.402			.0077				
.437	.0146						
.550				-.1555	-.2465		
.564			-.1308				
.633						-.4394	-.3710
.703	-.1362			-.5012	-.5261		
.725						-.5139	-.5521
.753							
.763			-.3556				
.775				-.5446	-.6180		
.808			-.6177				
.834	-.3559						
.853				-.5918	-.5535	-.4217	
.857			-.4887				
.865	-.4828						
.903	-.4322			-.2327	-.0652		-.2474
.905			-.2673				
.940				-.0898			.0000
.943			-.1204				
.965	-.2101						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5 (RBIL43)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA(4) = 4.140 BETA(4) = 4.140

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2223	-.1259	.2286	.4352	.3994	.3229	.3137
.020				-.0169	-.7693	-.0131	-.0062
.035			.1889				
.040		.0311					
.048			.0796				
.050	-.0977			-.0268	-.0586	-.0629	-.1014
.080				-.0541			
.085			.0304				
.086		.1130					
.094	-.0760			-.0426	-.0146	-.0479	-.1299
.150		.1396					
.163			-.0102				
.177							
.229	.0311						
.245		.0907		-.0466	-.0661	-.0866	-.1922
.250			-.0320				
.274							
.362	.0744			-.0565	-.1176		-.2592
.390		-.0332					
.400			-.0581				
.402							
.497	-.0273			-.1918	-.2771		
.550							
.565			-.1956				-.3839
.600							
.650							
.700	-.2216			-.4120			
.725				-.4424			
.750							
.760			-.3552	-.5473	-.5900		
.775			-.5575				
.808							
.834	-.3730			-.4546	-.4889	-.3742	
.850			-.4069				
.857							
.865	-.4364						
.900	-.3786			-.2235			-.2049
.905			-.2712	-.0564			
.950				-.0914			.0000
.955			-.1404				
.965	-.2363						



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 (881-43)  
 LOWER WING

ALPHA(4) = 4.150 BETA(3) = 0.190

SECTION 1 (LOWER WING)

DEPENDENT VARIABLE CP

Y/BW	3.840	4.870	5.340	6.750	7.000	8.070
X/CW						
.000	-.3411	-.1159	.0238	.2564	.3531	.2745
.025				-.0105	-.1633	-.1237
.050			.0587			-.1149
.075		-.0525				
.100			.0291			
.125	-.2153			-.0274	-.1243	-.1460
.150				-.0452		-.1635
.175			.0135			
.200		.0142				
.225	-.1446			-.0553	-.0668	-.1020
.250			.0556			-.1765
.275				-.0224		
.300	-.0229					
.325		-.0196				
.350				-.0753	-.1132	-.1263
.375			-.0473			
.400	.0267					
.425		-.0537		-.1114	-.1570	-.2410
.450			-.0910			
.475	-.0532					
.500				-.2194	-.2890	
.525			-.2124			
.550						-.3407
.575					-.3609	
.600	-.2593			-.3593		
.625				-.3396		
.650					-.5008	-.5789
.675			-.3164			
.700				-.4884	-.5361	
.725			-.4281			
.750						
.775				-.3341	-.3411	-.3124
.800	-.3555					
.825			-.3408			
.850		-.3357				
.875	-.3301			-.2231		-.1656
.900			-.2619	-.0699		
.925			-.1112			.0000
.950						
.975			-.1561			
.990	-.2359					

DATE 11 JAN 73 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(48143)

DOES WING

ARC11-716 1A14 DIS12-318-25

ALPHAD (S) = 0.040 BETAD (S) = -0.070

SECTION (S) = 11 DOES WING DEPENDENT VARIABLE CO

Y/B	.2000	.3640	.4270	.5340	.6730	.7800	.8870
1/CW							
.000	-.0307	-.0143	.6245	.6269	.5270	.5840	.3191
.020				.3947	.4476	.4992	.4654
.030			.4336				
.040		.2674					
.048			.3100				
.050	.0548			.2847	.3482	.3482	.3003
.060				.2223			
.080			.2308				
.086		.3145					
.094	.0436			.1876	.2340	.2321	.1611
.100							
.163		.3216					
.177			.1702				
.209	.1725						
.246		.1646					
.250				.1593	.1311	.1404	.0308
.274			.1557				
.342	.2245						
.390		.1476		.1076	.0480		-.0613
.402			.1278				
.497	.1436						
.550			-.0747	-.1281			
.565			-.0532				
.610							-.2725
.620					-.3133		
.703	-.0277			-.4319			
.725			-.4479				
.750					-.5230	-.4897	
.762			-.4963				
.775				-.5372	-.5135		
.808			-.7204				
.834	-.4594						
.850				-.7683	-.6892	-.6534	
.857			-.5306				
.865	-.4447						
.900	-.4263			-.3366			-.6870
.938			-.2872	-.2623			
.950				-.1293		.0070	
.953			-.1397				
.965	-.1716						



(R01L43)

LOWER WING

ARC11-716 IATA CL0112+512825

DATE 11 JAN 75

TABLED PRESSURE DATA - IATA - VOL. 5

ALPHA(1) = 0.010 BETA(1,2) = -4.020

SEQUENCE VARIABLE CP

SECTION 1 LOWER WING

Y/CW .2000 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.000	-.1281	-.0569	.3615	.5580	.5005	.3539	.2700
.020			.2349	.3572	.4232	.3585	
.030			.3637				
.040		.2061					
.048			.2560				
.050	.0051		.1937	.2636	.2889	.2413	
.060			.1471				
.085			.1798				
.10		.2632					
.134	.0052						
.152		.2765		.1542	.1989	.1454	.1137
.165			.1205				
.177							
.229	.1281						
.242		.1191		.1046	.0994	.0074	
.253			.1113				
.274							
.302	.1882						
.330		.1051					
.402			.0858	.0576	.0100		-.0367
.437	.0939						
.503			-.0839	-.1347	-.1618		
.535						-.2394	
.630							
.650							
.733	-.0870					-.3317	
.725				-.4680			
.753							
.763			-.4305			-.5299	-.4565
.775				-.5412	-.5305		
.838			-.6338				
.834	-.3339						
.853				-.7262	-.7022	-.6751	
.857			-.4847				
.865	-.4434						
.933	-.4102			-.2652			-.7019
.937			-.2696		-.1780		
.950				-.0386		.0000	
.953			-.1255				
.965	-.1720						



DATE 11 JAN 79

(R01243)

LOWE WING

ARC11-716 1A14 01-712-512N25

$$\text{ALPHA}(\beta) = 0.019 \quad \text{BETA}(\beta) = .039$$

SECTION (UNDER LING  
DEPENDENT VARIABLE CF

7/8W	.2990	.3840	.4270	.9340	.6730	.7800	.0070
1/4W							
.000	-.2041	-.1317	.2009	.9155	.4350	.3168	.2276
.020				.2075	.2396	.3434	.3200
.030							
.040		.1332					
.048			.1897				
.050	-.1637			.1322	.1919	.2169	.1786
.080				.0956			
.085			.1382				
.096		.2121					
.098	-.0297			.0845	.1469	.1329	.0558
.140		.2184					
.165			.0809				
.177							
.229	.0943						
.246		.0833		.0683	.0373	.0372	-.0517
.270			.0708				
.274							
.300	.1507						
.330		.0632		.0300	-.0294		-.1390
.400			.0412				
.432	.0567			-.1377	-.1953		
.550			-.1183				-.3234
.565							
.600							
.650							
.700	-.1162			-.3944	-.4314		-.3594
.725							
.750							
.760			-.3223				-.5334
.775				-.5311	-.5496		
.800			-.6363				
.834	-.3460						
.870			-.4460	-.6494	-.7072	-.6894	
.887							
.885	-.4798						
.900	-.4061						.7261
.935			-.2541	-.2350	-.0968		
.940				-.0436		.0000	
.950			-.1160				
.965	-.1869						

DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 5

PAGE 2207

(RB1L43)

LOWER WING

ARC11-716 IA14 C1+T12+S12+25

ALPHA( 5) = 8.100 BETA( 4) = 4.130

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.3385	-.2764	.1746	.4220	.3939	.2817	.1884	
.020				.1538	.1604	.2587	.2644	
.030		.2564						
.040		.0038						
.048			.1535					
.050	-.1113			.0895	.1155	.1445	.1230	
.060				.0549				
.085			.1025					
.086			.1316					
.094	-.0601				.0384	.0899	.0793	.0095
.150								
.163		.1770						
.177			.0400					
.229	.0545							
.246		.0414						
.250				.0165	.002	.0082	-.0895	
.274			.0165					
.352	.1091							
.330		.0056						
.401				-.0213	-.0468		-.1699	
.402			-.0253					
.497	.0055							
.550				-.1719	-.2278			
.565			-.1788					
.600								
.650								
.700	-.1967			-.3527	-.3740	-.3521		
.725								
.750			-.3220			-.5229	-.4953	
.760								
.775				-.5563	-.5976			
.808			-.5490					
.834	-.3637							
.850				-.4160	-.6526	-.7004		
.857			-.3834					
.865	-.4228							
.900	-.3560			-.2342			-.5552	
.905			-.2506	-.0617				
.930				-.0870		.0000		
.953			-.1229					
.965	-.2106							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L43)

LOWER WING

ARC11-716 1A14 01+112+312+25

ALPHA(5) = 8.090 BETA(5) = 0.250

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4992	-.1980	-.1269	.2279	.3596	.2444	.1608
.020				.1197	.1095	.1799	.1956
.030			.0835				
.040		-.1129					
.048			.0782				
.050	-.2485			.0832	.0608	.0856	.0641
.080				.0350			
.085			.0869				
.086		-.0008					
.094	-.1325			.0196	.0424	.0289	-.0354
.150		.0929					
.153			.0493				
.177							
.229	-.0046						
.246		.0415		-.0098	-.0380	-.0279	-.1353
.250			.0190				
.274							
.362	.0671						
.390		.0002		-.0663	-.1042		-.1774
.400							
.402			-.0398				
.497	.0010			-.1887	-.2316		
.550			-.1801				
.565						-.3145	
.600					-.3305		
.650							
.700	-.1934			-.3371	-.3584		
.725						-.5104	-.5180
.750			-.3149				
.760				-.4906	-.5959		
.775			-.4143				
.808							
.834	-.3261			-.3381	-.3835	-.3712	
.850							
.857			-.3356				
.865	-.3628						-.0604
.900	-.3310			-.2390			
.905			-.2462		-.0767		
.950				-.1152		.0000	
.953			-.1418				
.965	-.2160						



(RB1L44) ( 15 FEB 74 )

LOWER WING

PARAMETRIC DATA

MACH = .900 ELEVON = .000  
RUDDER = .000 SPEEDBRK = .000

REFERENCE DATA

REF = 2.4210 SQ.FT. ZWRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YWRP = .0000 INCHES  
BREF = 38.7090 INCHES ZWRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA( 1 ) = -7.970 BETA( 1 ) = -8.050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/BW	Y/CW	CP
.000	.0561	.3184
.020		.3623
.030		.2607
.040		.1507
.050		.0300
.060		-.0853
.070		-.2071
.080		-.3267
.090		-.4355
.100		-.5251
.110		-.5955
.120		-.6423
.130		-.6681
.140		-.6758
.150		-.6659
.160		-.6389
.170		-.5954
.180		-.5358
.190		-.4617
.200		-.3758
.210		-.2809
.220		-.1784
.230		-.0686
.240		.0484
.250		.1560
.260		.2557
.270		.3459
.280		.4223
.290		.4859
.300		.5358
.310		.5617
.320		.5758
.330		.5758
.340		.5617
.350		.5358
.360		.4859
.370		.4223
.380		.3459
.390		.2557
.400		.1560
.410		.0484
.420		-.0686
.430		-.1784
.440		-.2809
.450		-.3758
.460		-.4617
.470		-.5358
.480		-.5954
.490		-.6389
.500		-.6681
.510		-.6758
.520		-.6659
.530		-.6389
.540		-.5954
.550		-.5358
.560		-.4617
.570		-.3758
.580		-.2809
.590		-.1784
.600		-.0686
.610		.0484
.620		.1560
.630		.2557
.640		.3459
.650		.4223
.660		.4859
.670		.5358
.680		.5617
.690		.5758
.700		.5758
.710		.5617
.720		.5358
.730		.4859
.740		.4223
.750		.3459
.760		.2557
.770		.1560
.780		.0484
.790		-.0686
.800		-.1784
.810		-.2809
.820		-.3758
.830		-.4617
.840		-.5358
.850		-.5954
.860		-.6389
.870		-.6681
.880		-.6758
.890		-.6659
.900		-.6389
.910		-.5954
.920		-.5358
.930		-.4617
.940		-.3758
.950		-.2809
.960		-.1784
.970		-.0686
.980		.0484
.990		.1560
.000		.2557

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI44 - VOL. 5

(R01L44)

LOWER WING

ARC11-716 IAI4 01+112+512N25

ALPHA(1) = -7.970 BETA(1) = -8.050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950 .950 .950 .950 .950 .950 .950

.953 .953 .953 .953 .953 .953 .953

.965 .965 .965 .965 .965 .965 .965

ALPHA(1) = -7.960 BETA(2) = -4.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0259 .0353 .2346 .2594 .1271 .0046 .0524

.020 .020 .030 .030 .030 .030 .030 .030

.030 .030 .030 .030 .030 .030 .030

.040 .040 .0259 .0259 .0259 .0259 .0259

.048 .048 .048 .048 .048 .048 .048

.050 .050 .050 .050 .050 .050 .050

.080 .080 .080 .080 .080 .080 .080

.086 .086 .086 .086 .086 .086 .086

.034 .034 .034 .034 .034 .034 .034

.150 .150 .150 .150 .150 .150 .150

.163 .163 .163 .163 .163 .163 .163

.177 .177 .177 .177 .177 .177 .177

.229 .229 .229 .229 .229 .229 .229

.246 .246 .246 .246 .246 .246 .246

.250 .250 .250 .250 .250 .250 .250

.0243 .0243 .0243 .0243 .0243 .0243 .0243

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RB1L44)

LOWER WING

ARC11-716 IAI4 01+T12+S12H25

ALPHA( 1 ) = -7.960 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.775						
	.808						
	.834						
	.850						
	.857						
	.865						
	.900						
	.905						
	.953						
	.953						
	.965						

-.8004 -.7662

-.7781

-.4547 -.3752 -.8036

-.4572

-.3556 -.2868 -.4507

-.3251

-.2789 .0000

-.2675

ALPHA( 1 ) = -7.970 BETA( 4 ) = 4.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000						
	.020						
	.030						
	.040						
	.048						
	.050						
	.060						
	.085						
	.086						
	.094						
	.130						
	.163						
	.177						
	.229						
	.246						
	.250						
	.274						
	.362						
	.390						
	.400						
	.402						
	.497						
	.550						
	.565						
	.600						
	.650						

.0391

.0736 -.1238 -.2632 -.2203

-.2645

-1.1680 -1.1630 -1.0520 -.7631

.0544

-.2934 -.9853 -1.1290 -1.0440 -.7306

-.2706

-.5745

-.4376 -1.1030 -1.0830 -.7015

.0116

-.2965

-.3697 -.3055 -1.0900 -.8307

-.1843

-.2860

-.2438 -.1690 -.8352

-.2407

-.2740

-.2271 -.2708

-.2635

-.5945

-.3893



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L44)

LOWER WING

ARC11-716 1A14 01+112+512+25

ALPHA(1) = -7.970 BETA(4) = 4.100

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.700	-.3188		-.6372	-.6206		
.725						-.6236	-.5013
.750							
.760			-.5251				
.775			-.7677	-.7944			
.808			-.7169				
.834	-.4397						
.850				-.5326	-.4005	-.4323	
.85			-.6117				
.865	-.5411						
.900	-.4989		-.3310				-.4446
.905			-.3922	-.3087			
.950			-.2409			.0000	
.955			-.2532				
.965	-.3377						

ALPHA(1) = -8.000 BETA(4) = 6.170

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.0000	-.1125	-.0171	.1177	.0201	-.2132	-.3844
.020					-.11200	-.0960	-.0841
.030				-.2332			
.040		.0070					
.048			-.2691				
.050	-.0928			-.7476	-.10120	-.9915	-.8969
.080				-.4765			
.085			-.2432				
.095		.0019					
.094	-.0937						
.150				-.3818	-.10120	-.10630	-.9127
.163		-.0151					
.177			-.2487				
.229	-.0360						
.246		-.1631					
.250				-.3212	-.3449	-.10140	-.9315
.274			-.2469				
.362	-.0395						
.390		-.2179					
.400				-.2593	-.2822		-.9314
.402			-.2571				
.497	-.1932						



(RBL44)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
ARC11-716 1A14 01+112+512N25 LOWER WING

ALPHA( 1 ) = -8.000 BETA( 5 ) = 9.170

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3940	.4270
.3340	.5340	.6730
.7800	.7800	.0070
.550		
.565		
.600		
.650		
.700		
.725		
.750		
.760		
.775		
.808		
.834		
.857		
.857		
.855		
.900		
.935		
.950		
.955		
.965		

ALPHA( 2 ) = -4.070 BETA( 1 ) = -8.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3940	.4270
.3340	.5340	.6730
.7800	.7800	.0070
.550		
.565		
.600		
.650		
.700		
.725		
.750		
.760		
.775		
.808		
.834		
.857		
.857		
.855		
.900		
.935		
.950		
.955		
.965		



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI44 - VOL. 5

(SBL44)

LOWER WING

ARC11-716 IAI44 01+112+512125

ALPHA( 2 ) = -4.070 BETA( 1 ) = -8.080

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.390	-.0061
.400	.0415
.402	.0420
.408	.0428
.497	-.0108
.550	-.0655
.553	-.1772
.600	-.0270
.650	-.3932
.700	-.5393
.725	-.5741
.750	-.6833
.775	-.7513
.800	-.7226
.825	-.5776
.850	-.3774
.875	-.5126
.900	-.9211
.925	-.3774
.950	-.5126
.975	-.3029
.990	-.3374
.995	-.2360
.998	-.2867
.999	-.0000
.999	-.2789
.999	-.2537

ALPHA( 2 ) = -3.970 BETA( 1 ) = -4.030

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.390	.0364
.400	.1135
.402	.3617
.408	.4210
.497	.3330
.550	.2556
.553	.3045
.600	-.6378
.650	-1.0780
.700	-.9729
.725	-.8760
.750	-.7469
.775	-.7355
.800	-.4071
.825	-.5318
.850	-.3160
.875	-.1336
.900	.1180
.925	.0994
.950	-.0615
.975	-.1915
.990	-.1838
.995	-.2600
.998	-.4123
.999	-.1405
.999	.0622

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881144)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA( 2 ) = -3.970 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.246 -.0989  
 .290 -.0926 -.1191 -.1551 -.2586  
 .274 -.0874  
 .362 .0752  
 .390 -.0650  
 .410  
 .432 -.0974  
 .437 -.0628  
 .540 -.0906 -.2054  
 .565 -.0557  
 .577  
 .590  
 .640  
 .649  
 .703 -.0528  
 .725  
 .750  
 .760  
 .775  
 .828  
 .831 -.8866  
 .853  
 .857  
 .865 -.6029  
 .900 -.4145  
 .915  
 .933  
 .953  
 .965 -.2598

-.4043

-.4291

-.5712

-.6009

-.7001

-.7605

-.7532

-.5847

-.3975

-.3696

-.3741

-.4922

-.2937

-.2455

-.2617

-.2726

ALPHA( 2 ) = -3.800 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.0900 .0186 .0911 .3035 .3287 .2167 .1233 .1850  
 .020  
 .030  
 .040  
 .048  
 .090  
 .085  
 .086  
 .096

-.0766

.1115

-.1579

-.0365

-.4473

-.9335

-.7731

-.7510

-.0556

-.1595

-.1017

-.0400



(R01L44)

LOWER WING

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

APC11-716 1A14 01+112+512+25

ALPHA (2) = -3.000 BETA (3) = .050

SECTION 1 (LOWER WING) DEPENDENT VARIABLE CP

Y/BW .2893 .3640 .4270 .5340 .6750 .7800 .8870

X/CW .150 .0805 .1777 .0414 .1124 .1559 .1751 .2061 .3304

.183 .177 .228 .246 .250 .274 .342 .343 .432

.497 .450 .455 .453 .453 .453 .453 .453 .453

.453 .453 .453 .453 .453 .453 .453 .453 .453

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DATE 11 JAN 75 TUBULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L44)

LOWER WING

AR011-716 1A14 21+112+312425

ALPHA(2) = -3.930 BETA(1) = 0.130

SECTION (1) LOWER WING DEPENDENT VARIABLE C/F

1/9W .2990 .3840 .4270 .5340 .6730 .7800 .8970

X/CW

.000 -.1173 .0103 .1186 .1928 .0128 -.1 9 -.0495

.020 .020 -.6337 -1.1150 -.9011 -.7792

.030 .030 -.0789

.040 .0346

.048 -.1072

.050 -.1139

.060 -.3776 -.7661 -.8716 -.7905

.080 .085 -.3123

.090 -.1219

.096 .335

.104 -.1245

.110 .2401 -.2940 -.6500 -.7522

.160 .0286

.170 -.1403

.220 .0397

.230 -.0956

.240 -.2012 -.2629 -.2403 -.6550

.250 .1491

.274 .1491

.302 -.0196

.310 -.1408

.320 -.1674 -.2333

.328 -.1700

.342 -.2763 -.3430

.350 -.2586

.360 -.4676

.370 -.5167

.380 -.2025

.390 -.4664

.400 -.6504 -.7037

.410 .4264

.420 -.6030 -.6434

.430 -.5539

.440 -.4664

.450 -.4424 -.3352 -.2329

.460 -.4564

.470 -.2039

.480 -.3697 -.1362

.490 -.1659

.500 -.2302

.510 -.3186

.520 -.1477

.530 .0000

.540 .0000

.550 .0000

DATE 13 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RB1L-4)

LOWER WING

ARC11-716 IAI4-D1+T12+512M25

ALPHA(3) = .060 BETA(1) = -8.000

SECTION 1: LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/CW	.2950	.3640	.4270	.5340	.6730	.7800	.8870
.000	.0364	.1316	.4664	.6301	.5982	.5543	.5635	
.020			.2111	-.0666	-.1237	-.1586	-.1903	
.040		.2254						
.060	.0146		.0950	-.0427	-.0855	-.1137	-.1849	
.080			.0698	-.0350				
.100		.2330						
.120	-.0058			.0248	.0377	-.0051	-.0816	
.140		.2330						
.160			.0439					
.180	.1237							
.200		.0616		.0619	.0229	-.0093	-.1378	
.220			.0673					
.240	.1737							
.260		.0832		.0889	-.0003		-.1572	
.280			.1000					
.300	.0803			-.0490	-.1585			
.320		-.0074						
.340						-.3798		
.360				-.5827	-.5403			
.380	.0172					-.5732	-.6148	
.400			-.6550					
.420				-.6807	-.7061			
.440			-.6499					
.460						-.3509	-.3706	
.480	-.9079		-.4901					
.500								
.520	-.7168			-.2763				-.2442
.540	-.4820			-.3370	-.1968			
.560				-.2301		.0000		
.580			-.2444					
.600	-.2321							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RJ1L44)

LOWER WING

APC11-716 1A14 01+112+512+25

ALPHA( 3 ) = -.320 BETAD ( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5345	.6730	.7800	.8870
X/CW							
.000	.0090	.1174	.4137	.5498	.5033	.4360	.4812
.020				-.1842	-.2716	-.3156	-.3543
.030			.1487				
.040		.1870					
.048			.0314				
.050	-.0146			-.1229	-.1681	-.2275	-.2992
.060				-.1145			
.085			.0086				
.086		.1899					
.094	-.0325						
.150				-.0405	-.0305	-.0711	-.1346
.163		.1914					
.177			-.0144				
.229	.0326						
.245		.0386					
.250				.0041	-.0299	-.0487	-.1875
.274			.0111				
.352	.1327						
.390		.0228					
.430				.0423	-.0392		-.2015
.432		.0481					
.497	.0134			-.0784	-.1913		
.550			-.0459				-.3939
.565					-.4159		
.600				-.5885			
.650					-.5666		
.700	-.0346						
.725				-.6829			
.750				-.7037	-.7263		
.775				-.6459			
.808							
.834	-.0233			-.3923	-.3070	-.3354	
.850					-.4608		
.857							
.865	-.5442						
.900	-.3982			-.2784			-.2544
.905				-.3190	-.2124		
.910				-.2283		.0000	
.953				-.2138			
.965	.2221						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 3

(RB1L44)

LOWER WING

ARC11-716 IAI4 01+112+312M25

ALC (3) = -.320 BETAO (3) = .050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7890	.8870
X/CW							
.000	-.0358	.0706	.3507	.4657	.4017	.3575	.3887
.020				-.2476	-.3872	-.4271	-.4609
.030			.1220				
.040		.1476					
.048			.0376				
.050	-.0310			-.11639	-.2571	-.3106	-.3709
.090				-.1582			
.085			-.0216				
.086		.1569					
.094	-.0439			-.0956	-.0844	-.1212	-.1082
.150		.1622					
.163			-.0565				
.177							
.229	.0634						
.245		-.0200		-.0541	-.0757	-.1019	-.2323
.250			-.0375				
.274	.0992						
.362		-.0224		-.0081	-.0759		-.2414
.390							
.400							
.402			-.0121				
.497	-.0252			-.1214	-.2255		
.550							
.565							
.600							
.650							
.700	-.1200			-.6231	-.6013	-.4590	-.4431
.720							
.740							
.760				-.6932			
.775				-.7384	-.7416		
.808				-.6837			
.834	-.4042						
.850				-.3948	-.2977	-.3121	
.857				-.4144			
.865	-.4656						
.900	-.4388			-.2755			-.2678
.905				-.2947	-.2381		
.910				-.2069		.0000	
.933			-.2072				
.965	-.2460						



ARC11-716 1A14 CL+T12+S12+25  
(R81L44)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

DATE 11 JAN 75

ALPHA( 3) = -.330 BETA( 4) = 4.100

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1195	.0105	.2795	.3862	.3030	.2511	.2935
.020				-.2712	-.4554	-.5117	-.5597
.030			.1175				
.040		.0873					
.048			.0083				
.050	-.0624			-.1861	-.3010	-.3382	-.4365
.060				-.1772			
.085			-.0273				
.086		.1173					
.092	-.0552						
.100		.1239		-.1256	-.1367	-.1698	-.2269
.153							
.177			-.0651				
.223	.0309						
.246		-.0338					
.250				-.0990	-.1232	-.1414	-.2651
.274			-.0719				
.362	.0670						
.393		-.0606					
.400				-.0749	-.1205		-.2717
.402			-.0826				
.497	-.0486			-.1772	-.2588		
.550							
.565			-.1873				
.600							
.650							
.700	-.2030						
.725				-.5686			
.750							
.750			-.4527				
.775				-.6340	-.7318		
.808			-.5784				
.834	-.4043						
.850							
.857			-.4731				
.865		-.4314					
.900	-.4016			-.2354			
.905			-.3137				
.940				-.2141			
.953				-.1446			
.965	-.2754		-.1747				
.965							

-.1912

.0000

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IAI4A - VOL. 5  
 (R81L44)

ALPHA (3) = -.330 BETA (5) = 0.150  
 ARC11-716 IAI4 01+T12+512N25  
 LOWER WING

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP
X/CW	
.000	.2847
.020	-.0318
.030	.1029
.040	.2836
.048	.2185
.050	.1397
.060	.1881
.080	-.2342
.085	-.5180
.086	-.6260
.094	-.6996
.100	.0486
.110	-.0114
.120	-.0027
.130	-.1449
.140	-.3181
.150	-.3946
.160	-.4679
.170	-.1410
.180	-.0242
.190	.0289
.200	.1193
.210	.1520
.220	.0541
.230	-.0588
.240	-.0381
.250	-.1119
.260	-.1634
.270	-.1932
.280	-.3083
.290	-.0799
.300	-.0303
.310	-.0732
.320	-.1316
.330	-.1845
.340	-.3134
.350	-.1087
.360	-.2171
.370	-.2333
.380	-.3107
.390	-.4993
.400	-.5049
.410	-.4203
.420	-.5192
.430	-.6241
.440	-.5951
.450	-.3929
.460	-.5499
.470	-.6138
.480	-.4756
.490	-.4196
.500	-.4102
.510	-.3521
.520	-.2384
.530	-.834
.540	-.3870
.550	-.4196
.560	-.637
.570	-.665
.580	-.3808
.590	-.900
.600	-.3811
.610	-.2871
.620	-.1046
.630	-.3547
.640	-.1762
.650	.0000
.660	-.2252
.670	-.965
.680	-.2812



DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(R81L44) LOWER WING

ARCH11-716 IA14 01+112+512+25

ALPHA(4) = 4.200 BETA(1) = -8.100

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/B	.2990	.3640	.4270	.5340
X/CM				
.000	-.0312	.0640	.4361	.6530
.020				.6167
.030			.3719	.5477
.040		.2564		.2614
.060			.2451	
.080	.0352		.1720	.1714
.095		.1944	.1390	.1152
.086		.2962		
.094	.0299			
.150		.3123	.1140	.1356
.163				.2616
.177		.1452		
.229	.1628			
.246		.1477	.1379	.1077
.250				.0817
.270		.1403		-.0613
.362	.2302			
.350		.1436	.1237	.0416
.400				-.1067
.402		.1356		
.497	.1336			
.553			-.0371	-.1317
.565				
.600				
.650				-.3239
.700	.0140			-.3310
.725			-.5248	
.753				-.5989
.760				-.5911
.775		-.6244		
.809			-.6446	-.6300
		-.8865		
.834				
.850	-.8719		-.5786	-.7654
.857		-.4146		
.865	-.7126			
.900	-.4361		-.2772	-.7688
.905		-.3219	-.2251	
.950			-.2223	.0000
.953		-.2245		
.965	-.8274			

DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 ARC11-716 1A14 01+T12+S12H25  
 LOWER WING  
 (R61L44)

ALPHA (1) = 4.190 BETA (2) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0674	.0298	.3938	.5979	.5617	.4906	.4576
.020				.1448	.1234	.1783	.1759
.050				.3155			
.040		.2093					
.348			.1877				
.053	.0020			.1010	.0988	.1007	.0500
.080				.0778			
.085			.1449				
.086		.2482					
.084	-.0011						
.190				.0820	.1156	.0860	.0086
.163		.2681					
.177			.0915				
.223	.1265						
.246		.1019					
.252				.0895	.0616	.0390	-.0969
.274			.0933				
.342	.1926						
.393		.0313					
.400			.0846	.0061			-.1456
.402			.0927				
.497	.0935			-.0629	-.1611		
.550			-.0413				
.565							-.3584
.600							
.601							
.700	-.0286			-.5277			
.725				-.5450			
.753							
.760							
.775							
.808							
.834	-.7229						
.850							
.857							
.865	-.5663						
.900	-.4195						
.905							
.950							
.953							
.965	-.2116						



DATE 11 JAN 75      TABULATED PRESSURE DATA - 1A14A - VOL. 5      (R81L44)

LOWER WING

ARC11-716 1A14 01+112+312+25

ALPHA(4) = 4.080      BETA(3) = .040

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

1/84      .2990      .3640      .4270      .5340      .6730      .7800      .8870

X/CW

.000	-.1270	-.0205	.3433	.5370	.4930	.4234	.3973
.020				.0756	.0328	.0903	.0360
.030			.2704				
.040		.1583					
.048			.1512				
.050	-.0344			.0565	.0304	.0347	-.0045
.063				.0245			
.085			.1072				
.085		.2083					
.094	-.0203						
.100		.2296		.0333	.0698	.0372	-.0402
.163			.0544				
.177							
.229	.0983			.0443	.0216	.0902	-.1195
.245		.0661					
.273			.0496				
.342	.1577						
.393		.0331		.0465	-.0277		-.1913
.400							
.472			.0485				
.497	.0555			-.0975	-.1935		
.550							
.555			-.0791				
.639							-.4005
.650							
.700	-.0775				-.5316		
.725				-.5637			
.750						-.6188	-.6492
.760				-.6471			
.775				-.6660	-.6959		
.808				-.7066			
.834	-.5222						
.850				-.4609	-.3927	-.4579	
.857				-.4281			
.865	-.4768						
.870	-.4319			-.2687			-.5643
.905				-.3109	-.2460		
.943				-.1733		.0903	
.953				-.2071			
.965	-.2401						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+T12+512N25 LOWER WING (881-44)

ALPHA(4) = 4.100 BETA(4) = 4.110

SECTION (1) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Z/CW							
.000	-.2258	-.1144	.2425	.4556	.4194	.3562	.3423
.020				.0170	-.0542	.0001	.0134
.040			.2137				
.060		.0464					
.080			.1080				
.100				.0010	-.0388	-.0380	-.0707
.120				-.0246			
.140			.0658				
.160		.1284					
.180			-.0612				
.200				-.0172	.0145	-.0148	-.0934
.220		.1688					
.240			.0158				
.260							
.280		.0504					
.300			.0379				
.320				-.0170	-.0314	-.0443	-.1600
.340			-.0028				
.360							
.380				-.0208	-.0713		-.2337
.400		-.0039					
.420			-.0288				
.440				-.1510	-.2331		
.460			-.1641				
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



(RBL44)

LOWER WING

TABULATED PRESSURE DATA - IAL4A - VOL. 5

ARC11-716 IAL4 D10112+512425

ALPHA(4) = 4.100 BETA(5) = 8.190

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

1/8W .2990 .3640 .4270 .5340 .6750 .7800 .8870

1/CW

.000	-.3657	-.0968	.0378	.2462	.3731	.3327	.3078
.020				.0192	-.1334	-.0993	-.0311
.030			.0777				
.040		-.0483					
.048			.0418				
.050	-.2232			.0025	-.0931	-.1139	-.1454
.060				-.0150			
.070			.0334				
.08		.0249					
.09	-.1432			-.0210	-.0056	-.0354	-.1100
.10		.0668					
.11			.0051				
.12	-.0166						
.13		-.0013		-.0300	-.0867	.0819	-.1457
.14			-.0226				
.15	.0440						
.16		-.0241		-.0892	-.1304		-.2581
.17			-.0671				
.18	-.0256			-.2042	-.12780		
.19			-.1922				
.20							-.4654
.21	-.2036			-.4087	-.5302	-.4784	
.22						-.6145	-.7034
.23			-.3795				
.24				-.5453	-.625		
.25			-.4630				
.26							
.27	-.3801			-.3777	-.3600	-.2730	
.28			-.3724				
.29							
.30	-.4049			-.2457			-.2037
.31	-.3732			-.2883	-.1503		
.32				-.1325			.0000
.33			-.1718				
.34	-.2608						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(R91L44)

LOWER WING

ARC11-115 IAI4 OL+112+512425

ALPHA (°) = 0.043 BETAD (°) = -8.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .5730 .7800 .8870

Z/CW

.000	-.0806	-.0234	.4091	.6592	.5582	.4369	.3709
.020				.4305	.4643	.5167	.4775
.040		.2784					
.060			.3353				
.080	.0384			.3167	.3716	.3721	.3188
.100				.2503			
.120			.2697				
.140		.3359					
.160	.0458			.2200	.2805	.2596	.1810
.180			.3473				
.200				.1969			
.220	.1834						
.240		.1842		.1868	.1820	.1681	.0559
.260			.1753				
.280	.2428			.1672			
.300					.1373	.0788	-.0442
.320			.1469				
.340	.1584				-.0438	-.1052	
.360			-.0249				-.2427
.380						-.2924	
.400	.0003			-.4760			
.420					-.4751		
.440						-.5443	-.4693
.460				-.5882			
.480					-.5524	-.5096	
.500				-.6142			
.520							
.540	-.8330				-.7658	-.7005	-.6404
.560				-.6375			
.580							
.600	-.7930						-.6695
.620				-.5471			
.640	-.4815						
.660				-.3516	-.6177		
.680							
.700				-.2321			.0000
.720							
.740				-.2321			
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
1.000							



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - V2. 5

(881144)

LOWER WING

ARCH-716 TAIL 51+112+512+25

ALPHA (5) = 7.985 BETA (2) = -4.020

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW .8000 .3640 .4270 .5540 .6730 .7900 .8970

Y/CW

.000 -.1408 -.0512 .3545 .5820 .5180 .4070 .3276

.020 .030 .4035 .5531 .3770 .4472 .4141

.040 .2149 .2725 .3000 .3000 .2568

.060 .0000 .0000 .0000 .0000 .0000 .0000

.080 .0000 .0000 .0000 .0000 .0000 .0000

.100 .0000 .0000 .0000 .0000 .0000 .0000

.120 .0000 .0000 .0000 .0000 .0000 .0000

.140 .0000 .0000 .0000 .0000 .0000 .0000

.160 .0000 .0000 .0000 .0000 .0000 .0000

.180 .0000 .0000 .0000 .0000 .0000 .0000

.200 .0000 .0000 .0000 .0000 .0000 .0000

.220 .0000 .0000 .0000 .0000 .0000 .0000

.240 .0000 .0000 .0000 .0000 .0000 .0000

.260 .0000 .0000 .0000 .0000 .0000 .0000

.280 .0000 .0000 .0000 .0000 .0000 .0000

.300 .0000 .0000 .0000 .0000 .0000 .0000

.320 .0000 .0000 .0000 .0000 .0000 .0000

.340 .0000 .0000 .0000 .0000 .0000 .0000

.360 .0000 .0000 .0000 .0000 .0000 .0000

.380 .0000 .0000 .0000 .0000 .0000 .0000

.400 .0000 .0000 .0000 .0000 .0000 .0000

.420 .0000 .0000 .0000 .0000 .0000 .0000

.440 .0000 .0000 .0000 .0000 .0000 .0000

.460 .0000 .0000 .0000 .0000 .0000 .0000

.480 .0000 .0000 .0000 .0000 .0000 .0000

.500 .0000 .0000 .0000 .0000 .0000 .0000

.520 .0000 .0000 .0000 .0000 .0000 .0000

.540 .0000 .0000 .0000 .0000 .0000 .0000

.560 .0000 .0000 .0000 .0000 .0000 .0000

.580 .0000 .0000 .0000 .0000 .0000 .0000

.600 .0000 .0000 .0000 .0000 .0000 .0000

.620 .0000 .0000 .0000 .0000 .0000 .0000

.640 .0000 .0000 .0000 .0000 .0000 .0000

.660 .0000 .0000 .0000 .0000 .0000 .0000

.680 .0000 .0000 .0000 .0000 .0000 .0000

.700 .0000 .0000 .0000 .0000 .0000 .0000

.720 .0000 .0000 .0000 .0000 .0000 .0000

.740 .0000 .0000 .0000 .0000 .0000 .0000

.760 .0000 .0000 .0000 .0000 .0000 .0000

.780 .0000 .0000 .0000 .0000 .0000 .0000

.800 .0000 .0000 .0000 .0000 .0000 .0000

.820 .0000 .0000 .0000 .0000 .0000 .0000

.840 .0000 .0000 .0000 .0000 .0000 .0000

.860 .0000 .0000 .0000 .0000 .0000 .0000

.880 .0000 .0000 .0000 .0000 .0000 .0000

.900 .0000 .0000 .0000 .0000 .0000 .0000

.920 .0000 .0000 .0000 .0000 .0000 .0000

.940 .0000 .0000 .0000 .0000 .0000 .0000

.960 .0000 .0000 .0000 .0000 .0000 .0000

.980 .0000 .0000 .0000 .0000 .0000 .0000

1.000 .0000 .0000 .0000 .0000 .0000 .0000

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(891.44)

LOWER WING

ARC11-716 1A14 01-112-012425

ALPHA (3) = 7.970 BETA (3) = .020

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

704	.2990	.3660	.4270	.5340	.6730	7600	.8670
2704							
2705	-.2165	-.1120	.2946	.3284	.4434	.3388	.2713
2706			.3359	.2272	.2873	.3659	.3425
2707		.1436					
2708			.2164	.1647	.2219	.2479	.2036
2709	-.0380			.1351			
2710			.1666				
2711		.2724					
2712	-.0227			.1271	.1816	.1636	.0797
2713		.2644					
2714			.1108				
2715	.1297						
2716		.1390		.1026	.1029	.0894	-.0252
2717			.0984				
2718	.1768						
2719		.0983		.0738	.0187		-.1268
2720			.0779				
2721	.0807			-.0826	-.1594		
2722			-.0704				
2723							
2724				-.5530			
2725	-.0686				-.6299	-.5895	
2726			-.6488				
2727			-.7817	-.6637	-.6384		
2728							
2729							
2730				-.5418	-.7837	-.7111	
2731	-.4378						
2732			.4470				
2733							
2734	-.4334			-.2935			-.7303
2735	-.4390						
2736			-.2935		-.2183		
2737				-.2018		.0000	
2738			-.1860				
2739							
2740	-.2215						



DATE 11 JUN 75  
 TABULATED PRESSURE DATA - IATA - VOL. 5  
 (881-44)

ALPHA 50 = 0.020 BETA 1 (4) = 4.130		ARC11-716 IATA 11-112+512+25		LOWER WING	
SECTION 1 - LOWER WING		DEPENDENT VARIABLE OF			
Y/OW					
0.00	-0.3836	-0.2637	.1614	.4384	.4143
0.20				.1726	.1755
0.30				.2591	.2442
0.40					
0.42					
0.50					
0.60					
0.65					
0.70					
0.75					
0.80					
0.85					
0.90					
0.95					
1.00					
1.05					
1.10					
1.15					
1.20					
1.25					
1.30					
1.35					
1.40					
1.45					
1.50					
1.55					
1.60					
1.65					
1.70					
1.75					
1.80					
1.85					
1.90					
1.95					
2.00					
2.05					
2.10					
2.15					
2.20					
2.25					
2.30					
2.35					
2.40					
2.45					
2.50					
2.55					
2.60					
2.65					
2.70					
2.75					
2.80					
2.85					
2.90					
2.95					
3.00					
3.05					
3.10					
3.15					
3.20					
3.25					
3.30					
3.35					
3.40					
3.45					
3.50					
3.55					
3.60					
3.65					
3.70					
3.75					
3.80					
3.85					
3.90					
3.95					
4.00					
4.05					
4.10					
4.15					
4.20					
4.25					
4.30					
4.35					
4.40					
4.45					
4.50					
4.55					
4.60					
4.65					
4.70					
4.75					
4.80					
4.85					
4.90					
4.95					
5.00					
5.05					
5.10					
5.15					
5.20					
5.25					
5.30					
5.35					
5.40					
5.45					
5.50					
5.55					
5.60					
5.65					
5.70					
5.75					
5.80					
5.85					
5.90					
5.95					
6.00					
6.05					
6.10					
6.15					
6.20					
6.25					
6.30					
6.35					
6.40					
6.45					
6.50					
6.55					
6.60					
6.65					
6.70					
6.75					
6.80					
6.85					
6.90					
6.95					
7.00					
7.05					
7.10					
7.15					
7.20					
7.25					
7.30					
7.35					
7.40					
7.45					
7.50					
7.55					
7.60					
7.65					
7.70					
7.75					
7.80					
7.85					
7.90					
7.95					
8.00					
8.05					
8.10					
8.15					
8.20					
8.25					
8.30					
8.35					
8.40					
8.45					
8.50					
8.55					
8.60					
8.65					
8.70					
8.75					
8.80					
8.85					
8.90					
8.95					
9.00					
9.05					
9.10					
9.15					
9.20					
9.25					
9.30					
9.35					
9.40					
9.45					
9.50					
9.55					
9.60					
9.65					
9.70					
9.75					
9.80					
9.85					
9.90					
9.95					
10.00					

(RB1L44)

LOWER WING

ARC11-716 1A14 01+112+512425

ALPHA (S) = 0.000 BETA (S) = 0.250

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/CW	Z/CW	CP
.000	-.3469	-.1717	-.0817
.020			.2641
.040			.1210
.060			.0909
.080			-.0890
.100			.0857
.120			.0786
.140			.0656
.160			.0435
.180			.0983
.200			.0250
.220			-.1614
.240			.0932
.260			.0856
.280			.0251
.300			.0347
.320			.0323
.340			-.0036
.360			.0040
.380			-.0108
.400			-.0007
.420			-.1073
.440			.0241
.460			.0172
.480			-.0233
.500			-.0534
.520			-.0873
.540			-.1929
.560			.0159
.580			-.1739
.600			-.2371
.620			-.1727
.640			-.3918
.660			-.4135
.680			-.4939
.700			-.4067
.720			-.3597
.740			-.5706
.760			-.6155
.780			-.4893
.800			-.3743
.820			-.4034
.840			-.5590
.860			-.6539
.880			-.4104
.900			-.3670
.920			-.2624
.940			-.2936
.960			-.1165
.980			-.1387
.000			-.1606
.020			-.2474



DATE 11 JAN 75  
TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01+712+912N23

### PARAMETRIC DATA

WACH	=	.950	ELEVON	=	.000
BUDDER	=	.000	SPDRK	=	.000

## REFERENCE DATA

3REF =	2.4210 INCHES	YREF =	29.5000 INCHES
LREF =	38.7000 INCHES	YREF =	.0000 INCHES
BREF =	36.7000 INCHES	ZREF =	.0000 INCHES
SCALE =	.0300 SCALE		

ALPHA( 1 ) = -7.679      BETA( 1 ) = -0.040

SECTION / LOWER WING

Y/5W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0723	.1209	.3629	.4150	.5135	.2154	.2461
.020				-.9956	-1.1570	-1.1040	-.6614
.030							
.040		.0935					
.060							
.080	-.0309		-.2151		-.8850	-1.1200	-1.0490
.085				-.4193			
.086		.1105	-.1710				
.094	-.0578						
.150		.1109			-.3157	-.3555	-.7660
.152							-.6450
.177			-.1915				
.229	.0913						
.246		-.1017					
.253					-.1269	-.1073	-.5117
.274			-.1403				-.6409
.362	.1007						
.390		-.1067					
.400				.0472	-.0280		-.5848
.402			.0218				
.497	-.0992						
.530				-.0128	-.1164		
.565			.0236				-.4095
.600							
.630							
.700	.0309			-.4446		-.2790	
.725							
.750			-.3852				
.760				-.6428	-.6202		
.775							
.808			-.8741				
.834	-.8421			-.4796		-.4298	-.4546
.850							
.857			-.6519				
.865	-.8927						
.900	-.5978			-.8942	-.7870	-.7521	
.905			-.4733	-.4729	-.4220		-.5634

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(RBIL45)

LOWER WING

ARC11-716 IA14 01+112+312N25

ALPHA( 1 ) = -7.070 BETA( 1 ) = -0.040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.950 -.4302 .0000

.953

-.4456

.965

-.4543

ALPHA( 1 ) = -7.770 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0651 .0865 .2904 .3197 .1975 .0792 .1110

.020 .020 -1.0580 -1.2180 -1.1360 -.7257

.030 -.2336

.040 .0808

.048 -.2438

.050 -.0213

.080 -.9393 -1.1820 -1.1010 -.7095

.085 -.4724

.086 -.2050

.094 .0935

.150 -.0395

.163 .0884

.177 -.2466

.229 .0841

.246 -.1241

.250 -.2755 -.2507 -.7060 -.7452

.274 -.2046

.362 .0803

.390 -.1582

.400

.402 -.0065 -.0462 -.6977

.497 -.0709

.497 -.1383

.550 -.0401 -.1315

.565 -.0230

.600

.650 -.4899

.700 -.3077

.725 -.5062

.750 -.5061 -.4678

.750 -.6151

.760 -.6714 -.6359

.775 -.6682

.808 -.8667

.834 -.8440 -.8259 -.7515

.850



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L45)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( 1 ) = -7.770 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.837 -.5323

.865 -.8943

.900 -.5968

.905 .905

.950 .950

.953 .953

.965 -.4045

-.4568 -.4775 -.5952

-.4817 -.4312 .0000

-.4537

ALPHA( 1 ) = -7.760 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.900 .0464

.920 .0853

.930 .2360

.940 .2184

.948 .0640

.950 .0731

.980 .0412

.995 .0680

.986 .1240

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.994 .0952

.2360 .2184 .0640 .0731 .0412

-1.0680 -1.1240 -.9952 -.7587

-.2219

-.2407

-.8602 -1.1200 -.9910 -.7501

-.5295

-.2133

.0950

-.0009

.150 .0790

.163 .0790

.177 .2581

.229 .0831

.246 -.1269

.250 .274

.274 -.2221

.362 .0652

.390 -.1746

.400 .402

.402 -.1934

.497 -.1373

.550 .565

.600 .650

.650 .650

.700 .725

.725 .750

.750 .760

-.1530

-.5107

-.5553

-.5601

-.4182

-.6671

-.1205 -.0810 -.8573

-.0988 -.1716

-.1136

-.3241

-.5683



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L45)

LOWER WING

ARC11-716 1A14 01+712+512H25

ALPHA( 1 ) = -7.760 BETA( 3 ) = .040

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.775  
.808  
.834  
.850  
.857  
.865  
.900  
.905  
.950  
.953  
.955  
-7109 -6731  
-9136  
-5522 -8591 -7460  
-5864  
-3738  
-5857  
-4762 -4139 -3888  
-4269 .0000  
-4104  
-3868

ALPHA( 1 ) = -7.900 BETA( 4 ) = 4.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000  
.020  
.030  
.040  
.048  
.050  
.080  
.085  
.086  
.094  
.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.550  
.565  
.600  
.610  
-0339 .0329 .2013 .1573 -.0412 -.1839 -.1661  
-1.0420 -1.0550 -.9710 -.8477  
-1743  
-1038  
-2002  
-8326 -1.0450 -.9648 -.8314  
-4703  
-1915  
-0917  
-0343  
-0639  
-2236  
-1160  
-2146  
-1723  
-2436 -1.1332 -.9698  
-2170  
-1789 -2291  
-2417  
-3809  
-3344



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAINA - VOL. 5

(R01L45)

LOWER WING

ARC11-716 IAINA OL-112-512H25

ALPHA(1) = -7.900 BETA(4) = 4.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.700	-.2839
.725	-.5864
.750	-.5962
.775	-.5387
.800	-.6836
.825	-.7115
.850	-.6554
.875	-.8104
.900	-.6776
.925	-.7798
.950	-.6842
.975	-.4851
.990	-.6752
.995	-.5903
.998	-.3774
.999	-.3608
.999	.0000
.999	-.3280
.999	-.4137

ALPHA(1) = -7.930 BETA(5) = 4.180

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	CP
.300	-.2331
.325	.0069
.350	.1569
.375	.0990
.400	-.1151
.425	-.2854
.450	-.2750
.475	-.9325
.500	-1.0080
.525	-.9256
.550	-.8426
.575	-.1772
.600	.0350
.625	-.1928
.650	-.1928
.675	-.6014
.700	-.9682
.725	-.9225
.750	-.8473
.775	-.4113
.800	-.1739
.825	-.3105
.850	-.0731
.875	-1.0030
.900	-.8801
.925	-.1856
.950	.0155
.975	-.1148
.990	-.229
.995	-.0264
.998	-.246
.999	-.250
.999	-.274
.999	-.1935
.999	-.2626
.999	-.3206
.999	-.9817
.999	-.9312
.999	-.1633
.999	-.0104
.999	-.362
.999	-.390
.999	-.400
.999	-.402
.999	-.497
.999	-.1420
.999	-.2129
.999	-.2352
.999	-.2753
.999	-.9333

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L45)

LOWER WING

ARC11-716 1A14 01+112+312H25

ALPHA( 1 ) = -7.930 BETA( 1 ) = 0.180

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.6970		
.530		
.565		
.690		
.630		
.720		
.725		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.855		
.900		
.905		
.950		
.955		
.961		

ALPHA( 2 ) = -4.020 BETA( 1 ) = -0.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.6970		
.530		
.565		
.690		
.630		
.720		
.725		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.855		
.900		
.905		
.950		
.955		
.961		



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5

(R81L45)

LOWER WING

ARC11-716 1414 51+112+312+25

ALPHA( 2 ) = -4.020 BETA( 1 ) = -0.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.390	.0420	.1029
.400		.0275
.402	.1011	
.497	.0344	
.530		.0125
.565		-.0940
.600	.0530	
.643		
.700	.0673	
.725		
.750		
.760		
.775		
.805		
.834		
.850		
.877		
.865		
.900		
.905		
.950		
.955		
.4075		
.4671		
.5648		
.6138		
.6067		
.8525		
.7413		
.7976		
.7716		
.4158		
.3925		
.3835		
.0003		
.4011		
.4634		
.5169		
.2952		
.3035		
.4422		
.1347		
.7672		

ALPHA( 2 ) = -3.980 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.3340	.6730	.7800
.8870		
.4044	.1543	.4025
.4664	.3807	.3059
.5616	.9622	-.8532
.7422		
.0344		
.1696		
.0799		
.0003		
.3434	.7387	-.6811
.6353		
.2644		
.0792		
.1638		
.0266		
.1597	.1328	-.2046
.3628		
.163		
.177		
.0995		
.0972		

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(881L43)

TABULATED PRESSURE DATA - IAL4A - VOL. 5

LOWER WING

DATE 11 JAN 75

ALPHA( 2 ) = -3.960 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/LW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	-.0417	-.0470	-.0566	-.0944	-.1947	
.246						
.250						
.274	-.0469					
.362						
.390	-.0216	.0372	-.0092		-.1617	
.400						
.402	.0403					
.437	-.0209					
.550		-.0158	-.1205			
.565	.0116					
.600						
.650						
.700	.0015	-.4969	-.4745		-.3367	-.3249
.725						
.750		-.6001	-.6459	-.6289	-.5417	-.5416
.750						
.775		-.0750				
.800						
.834	-.0470	-.6710	-.0255	-.7640		
.850						
.857		-.5331				
.865	-.0651					
.900	-.5622	-.4038	-.4174			-.7640
.905		-.4288	-.4174			
.950		-.3894				
.953		-.4059				
.965	-.3897					

ALPHA( 2 ) = -3.970 BETA( 3 ) = .010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/LW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.0259	.1334	.3486	.3742	.2640	.1663	.2297
.000							
.020				-.6546	-1.0550	-.0445	-.6930
.030			-.0133				
.040		.1566					
.048			-.0990				
.050	.0155			-.3398	-.9177	-.7685	-.6740
.080							
.085				-.3175			
.086		-.1014					
.094	.0244						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14A - VOL. 5

(881145)

LOWER WING

ARC11-716 IAL14 OL+T12+S12N25

ALPHA( 2) = -3.870 BETA( 3) = .010

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.150  
.163  
.177  
.229  
.246  
.250  
.274  
.362  
.390  
.400  
.402  
.497  
.510  
.565  
.600  
.650  
.700  
.725  
.750  
.760  
.775  
.806  
.834  
.850  
.897  
.883  
.920  
.925  
.950  
.953  
.965  
-0.2194  
-0.2110  
-0.4153  
-0.5560  
-0.1367  
-0.1260  
-0.0878  
-0.0395  
-0.1238  
-0.1276  
-0.1165  
-0.3007  
-0.1038  
-0.0741  
-0.0395  
-0.0650  
-0.1565  
-0.0666  
-0.3681  
-0.5095  
-0.5592  
-0.5945  
-0.5622  
-0.6460  
-0.6903  
-0.6645  
-0.8958  
-0.5144  
-0.8529  
-0.7962  
-0.5398  
-0.4219  
-0.4598  
-0.4164  
-0.4128  
-0.3914  
-0.0003  
-0.7978  
-0.0003

ALPHA( 2) = -3.840 BETA( 4) = 4.090

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.090  
.020  
.030  
.040  
.048  
.050  
-0.0959  
-0.0953  
-0.2914  
-0.2935  
-0.1625  
-0.0478  
-0.1150  
-0.6547  
-1.1020  
-0.8781  
-0.6677  
-0.0019  
-0.1225  
-0.0841  
-0.3460  
-0.9285  
-0.8288  
-0.6736

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(801145)

LOWER WING

ARC11-716 IAI4 010112+312425

ALPHA( 2 ) = -3.840 BETA( 4 ) = 4.090

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW .2900 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.080						
.085						
.086						
.094						
.150						
.163						
.177						
.229						
.246						
.250						
.274						
.362						
.390						
.400						
.402						
.497						
.511						
.555						
.670						
.690						
.700						
.725						
.750						
.760						
.775						
.808						
.814						
.850						
.857						
.865						
.900						
.905						
.950						
.955						
.965						



DATE 11 JAN 75      TABLE CO PRESSURE DATA - IAL4A - VOL. 5      (0811-43)

LOWER WING

ALPHA (R) = -1.950      BETA (S) = 0.170

SECTION (1) LOWER WING      DEPENDENT VARIABLE CP

Y/W	.2900	.3040	.4270	.5340	.6750	.7800	.8870
X/CM							
.000	-.2803	.0179	.1351	.2591	.0850	-.0461	.0060
.025				-.5670	-1.0200	-.0062	-.6991
.050			.0149				
.075		.0430					
.100			-.0401				
.125	-.2035			-.3149	-.7136	-.7832	-.7147
.150				-.2557			
.175			-.0703				
.200		.0524					
.225	-.1959						
.250		.0531		-.1079	-.2430	-.6641	-.7079
.275			-.0945				
.300	-.0245						
.325	-.0578			-.1552	-.2509	-.1702	-.6490
.350		-.1004					
.375	.0137			-.1581	-.1802		-.2549
.400			-.1395				
.425	-.0808			-.2517	-.2949		
.450			-.2534				
.475						-.3846	
.500					-.4440		
.525	-.2559			-.4821			
.550					-.5669		
.575						-.6306	-.6194
.600			-.4504				
.625				-.6096	-.6374		
.650			-.5776				
.675							
.700	-.4129			-.8671	-.7861	-.6656	
.725			-.5884				
.750							
.775	-.4507			-.4531			-.8352
.800	-.4736			-.4955	-.5235		
.825				-.2715		.0000	
.850				-.3193			
.875							
.900							
.925							
.950							
.975							
.995							

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

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(RBIL45)

LOWER WING

ARC11-710 1A14 01+712+512M25

ALPHA( 3 ) = -.300 BETA( 1 ) = -.0.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0198	.1823	.5021	.6633	.6259	.5869	.5991
.020				-.0216	-.1022	-.1332	-.1584
.030		.2691	.2601				
.040							
.048			.1459				
.050	.0133			-.0011	-.0482	-.0751	-.1372
.061				.0079			
.065			.1100				
.086		.2758					
.094	.0050			.0700	.0872	.0476	-.0210
.150							
.163		.2801	.0926				
.177							
.229	.1564						
.246		.1083		.1122	.0804	.0542	-.0680
.250			.1185				
.274							
.362	.2197	.1304		.1322	.0694		-.0847
.390			.1593				
.402							
.497	.1206			.0306	-.0731		
.590			.0715				-.2732
.600						-.2869	
.650	.0925			-.4375			
.700							
.725							
.750			-.5559				
.760				-.6006	-.5978		
.775			-.8413				
.808							
.834	-.8092						
.850				-.7076	-.7934	-.7312	
.857			-.5553				
.865	-.8526						
.900	-.5344			-.3948			-.7473
.905			-.3866		-.3510		
.950				-.3698			.0000
.953			-.5791				
.965	-.3953						



(R01L45)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

LOWER WING

ARCH11-716 1A14 01+112+312M25

ALPHA(3) = -.320 BETA(2) = -4.030

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

Z/CW

.000	-.0031	.1558	.4545	.5869	.5403	.4956	.5200
.025				-.1468	-.2259	-.2617	-.2760
.050			.1920				
.075		.2267					
.100			.0800				
.125	.0095			-.0864	-.1411	-.1726	-.2261
.150				-.0718			
.175			.0543				
.200		.2293					
.225	-.0058			.0071	.0254	-.0373	-.0644
.250			.2353				
.275	.1253						
.300		.0536					
.325			.0603	.0578	.0378	.0102	-.1122
.350	.1762						
.375		.0726					
.400			.1087	.1116	.0381		-.1231
.425	.0657			.0044	-.0993		
.450		.0588					
.475							
.500							
.525							
.550							
.575							
.600							
.625							
.650							
.675							
.700							
.725							
.750							
.775							
.800							
.825							
.850							
.875							
.900							
.925							
.950							
.975							
.995							

11 JAN 75 11 11 11

(R81L45)

LOWER WING

ALPHA (3) = -.333 BETA (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0518	.1185	.3957	.5074	.4379	.3933	.4295
.020				-.2030	-.3470	-.3798	-.3940
.030			.1617				
.040		.1906					
.048			.0347				
.050	.0342			-.1205	-.2183	-.2589	-.3037
.080				-.1226			
.085			.0249				
.086		.1986					
.094	.0035						
.150				-.0527	-.0400	-.0598	-.1167
.163		.2008					
.177			-.0106				
.229	.1038						
.246		.0254		-.0074	-.0171	-.0334	-.1547
.250			.0053				
.274							
.362	.1417						
.390		.3218					
.400				.0494	-.0018		-.1591
.402			.0371				
.497	.0236			-.0400	-.1357		
.550			-.0327				
.555						-.3524	
.600					-.3638		
.650				-.5269	-.5073		
.700	-.0558						
.725							
.750						-.6003	-.5846
.760			-.6263				
.775			-.6774	-.6575			
.808			-.8740				
.834	-.7398						
.850			-.4971	-.6278	-.7986		
.857			-.5381				
.865	-.5925						
.900	-.5601		-.3983				-.8269
.905			-.4416	-.4101			
.950			-.3924			.0000	
.953			-.3791				
.965	-.3251						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2249

ALPHA(3) = -.330 BETA(4) = 4.090

(R81L45)

LOWER WING

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1625	.0493	.3175	.4235	.3428	.2926	.3356
.020				-.2176	-.4305	-.4633	-.4970
.030			.1512				
.040		.1196					
.048			.0459				
.050	-.0331			-.1328	-.2718	-.2549	-.3710
.060				-.1325			
.085			.0141				
.086		.1450					
.094	-.0300						
.150				-.0841	-.0909	-.1110	-.1817
.163		.1564					
.177			-.0258				
.229	.0649						
.246		.0062					
.250				-.0563	-.0730	-.0806	-.1962
.274			-.0318				
.362	.1022						
.390		-.0199					
.400				-.0276	-.0588		-.1962
.402		-.0419					
.497	-.0125						
.550				-.1254	-.1861		
.565			-.1516				
.600							
.650							
.700	-.1631						
.725				-.3643	-.5454		
.750							
.760		-.5102				-.6259	-.6253
.775				-.6555	-.6959		
.808			-.6279				
.834	-.4343						
.855				-.7693	-.6737	-.6011	
.857		-.6435					
.855	-.4744						
.900	-.4824						
.905				-.4463			-.8616
.950			-.5360			-.3781	
.950				-.3377			.0000
.955		-.2814					
.955	-.3506						

DATE 11 JAN 75

TABULATED PRESSURE DATA - IA14A - VOL. 5

PAGE 2250

(881L45)

LOWER WING

ARC11-716 IA14 01+712+912R25

ALPHA( 3 ) = -.330 BETA( 5 ) = 0.160

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4770	.5340 .6730 .7800 .8870
X/CW				
.000	-.3626	-.0100	.1162	.2914 .2651 .1793 .2310
.020				-.1723 -.4820 -.5922 -.6436
.030		.0746		
.040		.0968		
.048		.0285		
.050	-.2199		-.0923	-.2915 -.3373 -.4404
.060			-.0783	
.095		.0132		
.085		.0926		
.094	-.1321			
.150			-.0647	-.1133 -.1668 -.2592
.163		.0792		
.177			-.0156	
.229	-.0312			
.246		-.0011		
.250			-.0699	-.1246 -.1360 -.2494
.274		-.0397		
.362	.0469			
.390		-.0333		
.400			-.0939	-.1454
.402				-.2405
.497	-.0263		-.2146	-.2779
.550		-.1960		
.565				
.600				
.690				
.700	-.1954			
.725			-.4364	-.5182
.750				-.6257 -.6553
.760		-.4073		
.775			-.5725	-.6230
.808		-.5432		
.834	-.3963			
.850			-.6446	-.7617 -.7815
.857		-.5667		
.865	-.4109			
.900	-.4429		-.3987	-.2914
.905				-.4930
.950		-.4464		
.955		-.2369		.0000
.965	-.3545	-.2804		



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2251

(RB1L45)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA(4) = 4.170 BETA(1) = -0.103

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7600	.8870
X/CW							
.000	-.1000	.0913	.4718	.6780	.6485	.5865	.5499
.020			.2747	.2695	.3105	.2966	
.030		.4244					
.040		.2980					
.048			.2995				
.050	-.0078		.2169	.2242	.2176	.1665	
.080			.1832				
.085			.2500				
.086		.3401					
.094	.0232						
.150		.3612		.1919	.2185	.1888	.1158
.163			.1980				
.177							
.229	.1941						
.246		.2019		.1870	.1605	.1375	.0008
.250			.2016				
.274				.1792	.1037		-.0413
.312	.2738		.2027				
.390		.1994					
.400							
.402				.0311	-.0601		
.497	.1869		.0753				
.550							
.565							
.600							
.650							
.700	.0929			-.4550	-.2759		
.725							
.750							
.760							
.775							
.808							
.834	-.7793						
.850							
.857							
.865							
.900	-.5462						
.905							
.950							
.953							
.965	-.3721						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 'A14A - VOL. 5

(R81L45)

LOWER WING

ARC11-716 1A14 01+112+312+25

ALF 1A2( 4) = 4.230 BETA0 ( 2) = -4.030

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2146	.0456	.4346	.6348	.5932	.5294	.5028
.020				.1969	.1727	.2210	.2350
.030			.3608				
.040		.2395					
.049			.2377				
.050	.0022			.1521	.1537	.1540	.1126
.090				.1280			
.085			.1871				
.084		.2860					
.094	.0215						
.150				.1397	.1714	.1466	.0727
.163		.3098					
.177			.1368				
.229	.1618						
.246		.1451					
.250				.1462	.1269	.1057	-.0208
.274			.1405				
.362	.2335						
.390		.1405					
.400				.1512	.0799		-.0726
.402		.1468					
.497	.1391						
.550			.0122	-.0790			
.565		.0246					
.600						-.2803	
.650				-.4723	-.4563	-.3014	
.700	.0405						
.725							
.750							
.760							
.775							
.808							
.834	-.8109						
.850							
.857							
.865							
.900	-.5444						
.905							
.950							
.953							
.964							



(R81L45)

LOWER WING

ARC11-716 1A14 01+112+512R25

ALPHA(4) = 4.150 BETA(3) = .010

DEPENDENT VARIABLE CF

SECTION (1) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	-.1824	-.0044	.3665	.5663	.5280	.4605	.4386
.020				.1243	.0746	.1262	.1364
.030			.3115				
.040		.1832					
.048			.1957				
.050	-.0183			.0932	.0735	.0765	.0435
.080				.0712			
.085			.1503				
.095		.2388					
.094	.0025						
.150		.2668		.0801	.1129	.0927	.0121
.153							
.177			.0972				
.229	.1247						
.246		.1090		.0877	.0744	.0577	-.0520
.250			.0943				
.352	.1060						
.390		.0968					
.400				.0957	.0361		-.1220
.402			.0917				
.437	.0942						
.550				-.0325	-.1183		
.555			-.0281				
.600							
.650							
.700	-.0337						
.725				-.5212	-.4972		
.750							
.760			-.6204				
.775				-.6618	-.6428		
.809			-.8479				
.834	-.7751						
.850				-.7129	-.8232	-.7764	
.857			-.5370				
.865	-.6134						
.900	-.5204			-.4103			-.8124
.905			-.4046		-.4010		
.950				-.3833		.0000	
.953			-.3252				
.965	-.3102						





TABULATED PRESSURE DATA - IAI4A - VOL. 5

DATE 11 JAN 75

(R31L45)

LOWER WING

ARC11-716 IAI4 01+112+512025

ALPHA(4) = 4.140 BETA(4) = 4.110

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3840 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.3116	-.0650	.2462	.4828	.4498	.3940	.3863
.020				.0560	-.0160	.0446	.0609
.030			.2374				
.040		.0681					
.048			.1434				
.050	-.1005			.0433	.0006	.0041	-.0163
.080				.0163			
.085			.1048				
.086		.1330					
.094	-.0486						
.150				.0234	.0552	.0355	-.0368
.163		.1921					
.177			.0564				
.229	.0725						
.246		.0698		.0241	.0128	.0115	-.0933
.250							
.274		.0414					
.362	.1256			.0168	-.0160		-.1628
.390		.0387					
.400			.0136				
.432							
.497	.0425			-.1101	-.1665		
.550			-.1206				
.565							
.600							
.650							
.700	-.1384			-.5416			
.725							
.750							
.760			-.5441				
.775				-.6634	-.6877		
.808			-.6425				
.834	-.4348						
.850				-.7365	-.7346	-.8186	
.887			-.6352				
.888							
.900	-.4664			-.4235			-.8169
.900	-.4646						
.935			-.4210		-.3514		
.950				-.3146			.0000
.953			-.2492				
.965	-.3224						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 1

(RBL45)

LOWER WING

ARC11-716 1A14 01+112+512H25

ALMAO( 5) = 0.150 BETA0 ( 1) = -0.090

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP		
Y/BW	X/CW		
.000	-.1200	.4203	.6457
.020		.5930	.4823
.030		.5036	.5512
.040	.2065		.5170
.048		.3829	
.050	.0147		.3649
.080		.3017	.4144
.085		.3160	.3647
.086	.3665		
.090	.0297		
.100		.2676	.3229
.105	.3071		.3087
.165			.2351
.177	.2396		
.200			
.206	.2273		
.246		.2335	.2324
.260		.2215	.1133
.274	.2195		
.362			
.390	.2090		
.400		.1869	.1341
.402		.1966	
.497	.1984		
.550		.0154	-.0411
.565		.0369	
.600			-.2033
.650			-.2456
.700	.0352		
.725		-.4375	-.4350
.750			-.5360
.760			-.4553
.775		-.5257	
.775		-.5595	-.5279
.808		-.7587	
.834	.7741		
.850		-.7491	-.7024
.857			-.6603
.865		-.8631	
.865	-.8142		
.900	-.9804		
.905		-.8004	-.6934
.935		-.5067	-.7801
.950		-.3784	.0900
.953		-.4186	
.961	-.4099		

(RBIL45)

LOWER WING

ALPHA (  $\beta$  ) = 0.150 BETA (  $\beta$  ) = -4.030

ARC11-716 IA14 O1+T12+512N25

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2537	-.0954	.3945	.9990	.5362	.4296	.3711
.020				.3849	.4165	.4798	.4497
.030			.4370				
.040		.2301					
.048			.3117				
.050	-.0084			.2900	.3419	.3526	.3081
.060			.2559	.2408			
.085		.3094					
.094	.0319						
.150		.3424		.2181	.2801	.2660	.1869
.165			.1920				
.177							
.229	.1732						
.246		.1836		.1920	.1962	.1848	.3779
.250			.1813				
.274	.2463			.1603	.1117		-.0250
.390		.1734					
.400			.1629				
.432				.0012	-.0640		
.497	.1561						
.550			.0136				-.2444
.565					-.2729		
.600				-.4572	-.4538		
.650	.0123						
.700							
.725							
.750							
.760							
.775							
.808							
.834	-.8047						
.850							
.857							
.865							
.900	-.8237						
.900	-.5330						
.905							
.950							
.955							
.965							



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2237

(R01L45)

LOWER WING

ARC11-716 1A14 01+112+312+23

ALPHA( 5) = 0.140 BETA( 3) = .040

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

X/CW Y/CW .2990 .3640 .4270 .5340 .6730 .7030 .8070

X/CW

.000	-.3029	-.1207	.3345	.5878	.5046	.3778	.3101
.020			.2828	.3367	.4111	.3085	
.030		.3714					
.040		.1704					
.048		.2591					
.050	-.0406		.2133	.2720	.2969	.2597	
.060			.1772				
.065		.2080					
.080		.2585					
.090	.0540						
.100		.2961	.1701	.2321	.2226	.1435	
.110		.1521					
.120	.1414						
.140		.2515	.1521	.1570	.1551	.0427	
.150		.1435					
.160	.2111						
.170		.1377					
.180			.1513	.0059		-.0568	
.190		.1275					
.200	.1294		-.0119	-.0802			
.210		-.0106					
.220					-.2947		-.2778
.230	-.0160		-.4798	-.4645			
.240							
.250		-.5901	-.6163	-.5796	-.5704	-.5187	
.260							
.270		-.8349					
.280							
.290	-.8106		-.8231	-.7754	-.7150		
.300		-.5426					
.310							
.320	-.7856		-.4706				-.7513
.330	-.5689		-.4634	-.4486			
.340			-.4244			.0000	
.350		-.3985					
.360	-.3205						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R01L45)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA(DI 9) = 0.140 BETAD (4) = 4.150

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.4329	-.1902	.1664	.5036	.4768	.3537	.2646	
.020			.2320	.1953	.2125	.3157	.3235	
.030		.0254						
.040			.1822	.1327	.1682	.2165	.2027	
.050	-.1302			.0980				
.060			.1441					
.070		.1466						
.080	-.0517			.0864	.1537	.1591	.0981	
.090		.2003						
.100			.0959					
.110	.0808							
.120		.0952		.0690	.0829	.0998	-.0950	
.130			.0711					
.140	.1415	.0622		.0433	.0262		-.0957	
.150			.0327					
.160	.0629			-.0919	-.1313			
.170			-.1121					
.180								
.190								
.200								
.210								
.220								
.230								
.240								
.250								
.260								
.270								
.280								
.290								
.300								
.310								
.320								
.330								
.340								
.350								
.360								
.370								
.380								
.390								
.400								
.410								
.420								
.430								
.440								
.450								
.460								
.470								
.480								
.490								
.500								
.510								
.520								
.530								
.540								
.550								
.560								
.570								
.580								
.590								
.600								
.610								
.620								
.630								
.640								
.650								
.660								
.670								
.680								
.690								
.700								
.710								
.720								
.730								
.740								
.750								
.760								
.770								
.780								
.790								
.800								
.810								
.820								
.830								
.840								
.850								
.860								
.870								
.880								
.890								
.900								
.910								
.920								
.930								
.940								
.950								
.960								
.970								
.980								
.990								
.000								



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 5

(881145)

LOWER WING

ARC11-715 IAI14 01+T12+512M25

ALPHA(D) S1 = 0.120 BETA(D) S1 = 0.270

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

X/CW

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.3386	-.1069	-.0568	.1183	.4494	.3369	.2595
.020				.1716	.1411	.2197	.2584
.030			.0935				
.040		-.0538					
.048			.0959				
.050	-.2559			.1296	.1040	.1275	.1421
.060				.1156			
.065			.1012				
.080		.0403					
.094	-.1402			.0770	.0885	.0977	.0501
.110		.1098					
.163			.0860				
.170							
.224	.0236						
.275		.0714		.0490	.0260	.0491	-.0433
.290			.0580				
.362	.0823						
.390		.0491					
.400				-.0097	-.0340		-.1267
.402			.0094				
.497	.0385			-.1445	-.1748		
.550			-.1422				
.565							
.600							
.650							
.700	-.1502						
.725				-.4519			
.750							
.760			-.4265				
.770				-.5862	-.6340		
.800			-.5716				
.834	-.4144						
.850				-.6430	-.6108	-.0001	
.850			-.5442				
.865	-.4517						
.900	-.4531			-.3715			
.934			-.3787	-.3815			
.950				-.2278			
.950			-.2442				
.965	-.3222						

(RB1L46) ( 19 FEB 74 )

LOWER WING

## PARAMETRIC DATA

WACH	975	ELEVCH	000
BUCCER	000	SOCBCK	000

### REFERENCE DATA

ITEM	QTY	UNIT	PRICE	TOTAL
398F	2	INCHES	1.4210	2.8420
400F	2	INCHES	1.4210	2.8420
402F	2	INCHES	1.4210	2.8420
404F	2	INCHES	1.4210	2.8420
406F	2	INCHES	1.4210	2.8420
408F	2	INCHES	1.4210	2.8420
410F	2	INCHES	1.4210	2.8420
412F	2	INCHES	1.4210	2.8420
414F	2	INCHES	1.4210	2.8420
416F	2	INCHES	1.4210	2.8420
418F	2	INCHES	1.4210	2.8420
420F	2	INCHES	1.4210	2.8420
422F	2	INCHES	1.4210	2.8420
424F	2	INCHES	1.4210	2.8420
426F	2	INCHES	1.4210	2.8420
428F	2	INCHES	1.4210	2.8420
430F	2	INCHES	1.4210	2.8420
432F	2	INCHES	1.4210	2.8420
434F	2	INCHES	1.4210	2.8420
436F	2	INCHES	1.4210	2.8420
438F	2	INCHES	1.4210	2.8420
440F	2	INCHES	1.4210	2.8420
442F	2	INCHES	1.4210	2.8420
444F	2	INCHES	1.4210	2.8420
446F	2	INCHES	1.4210	2.8420
448F	2	INCHES	1.4210	2.8420
450F	2	INCHES	1.4210	2.8420
452F	2	INCHES	1.4210	2.8420
454F	2	INCHES	1.4210	2.8420
456F	2	INCHES	1.4210	2.8420
458F	2	INCHES	1.4210	2.8420
460F	2	INCHES	1.4210	2.8420
462F	2	INCHES	1.4210	2.8420
464F	2	INCHES	1.4210	2.8420
466F	2	INCHES	1.4210	2.8420
468F	2	INCHES	1.4210	2.8420
470F	2	INCHES	1.4210	2.8420
472F	2	INCHES	1.4210	2.8420
474F	2	INCHES	1.4210	2.8420
476F	2	INCHES	1.4210	2.8420
478F	2	INCHES	1.4210	2.8420
480F	2	INCHES	1.4210	2.8420
482F	2	INCHES	1.4210	2.8420
484F	2	INCHES	1.4210	2.8420
486F	2	INCHES	1.4210	2.8420
488F	2	INCHES	1.4210	2.8420
490F	2	INCHES	1.4210	2.8420
492F	2	INCHES	1.4210	2.8420
494F	2	INCHES	1.4210	2.8420
496F	2	INCHES	1.4210	2.8420
498F	2	INCHES	1.4210	2.8420
500F	2	INCHES	1.4210	2.8420
502F	2	INCHES	1.4210	2.8420
504F	2	INCHES	1.4210	2.8420
506F	2	INCHES	1.4210	2.8420
508F	2	INCHES	1.4210	2.8420
510F	2	INCHES	1.4210	2.8420
512F	2	INCHES	1.4210	2.8420
514F	2	INCHES	1.4210	2.8420
516F	2	INCHES	1.4210	2.8420
518F	2	INCHES	1.4210	2.8420
520F	2	INCHES	1.4210	2.8420
522F	2	INCHES	1.4210	2.8420
524F	2	INCHES	1.4210	2.8420
526F	2	INCHES	1.4210	2.8420
528F	2	INCHES	1.4210	2.8420
530F	2	INCHES	1.4210	2.8420
532F	2	INCHES	1.4210	2.8420
534F	2	INCHES	1.4210	2.8420
536F	2	INCHES	1.4210	2.8420
538F	2	INCHES	1.4210	2.84

[illegible]

## DEPENDENT VARIABLE C/F

[illegible]

DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5

(RBL40)

LOWER WING

ARC 11-716 TAIL 01+112+512+25

ALPHA (1) = -7.970 BETA (1) = -0.050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

T/W .0000 .3640 .4870 .5340 .6730 .7000 .8870

X/CW  
.050  
.053  
.065  
-0.056  
-0.050  
-0.056  
-0.056

ALPHA (1) = -7.960 BETA (2) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

T/W .0000 .3640 .4270 .5340 .6730 .7000 .8870

X/CW  
.0000  
.020  
.030  
.040  
.060  
.080  
.100  
.120  
.140  
.160  
.180  
.200  
.220  
.240  
.260  
.280  
.300  
.320  
.340  
.360  
.380  
.400  
.420  
.440  
.460  
.480  
.500  
.520  
.540  
.560  
.580  
.600  
.620  
.640  
.660  
.680  
.700  
.720  
.740  
.760  
.780  
.800  
.820  
.840  
.860  
.880  
.900  
.920  
.940  
.960  
.980  
1.000

-.1068  
-.1233  
-.1323  
-.1430  
-.1567  
-.1672  
-.1790  
-.1927  
-.2041  
-.2167  
-.2323  
-.2494  
-.2680  
-.2886  
-.3019  
-.3199  
-.3319  
-.3456  
-.3546  
-.3636  
-.3726  
-.3816  
-.3906  
-.3996  
-.4086  
-.4176  
-.4266  
-.4356  
-.4446  
-.4536  
-.4626  
-.4716  
-.4806  
-.4896  
-.4986  
-.5076  
-.5166  
-.5256  
-.5346  
-.5436  
-.5526  
-.5616  
-.5706  
-.5796  
-.5886  
-.5976  
-.6066  
-.6156  
-.6246  
-.6336  
-.6426  
-.6516  
-.6606  
-.6696  
-.6786  
-.6876  
-.6966  
-.7056  
-.7146  
-.7236  
-.7326  
-.7416  
-.7506  
-.7596  
-.7686  
-.7776  
-.7866  
-.7956  
-.8046  
-.8136  
-.8226  
-.8316  
-.8406  
-.8496  
-.8586  
-.8676  
-.8766  
-.8856  
-.8946  
-.9036  
-.9126  
-.9216  
-.9306  
-.9396  
-.9486  
-.9576  
-.9666  
-.9756  
-.9846  
-.9936  
1.0026





(RBL146)

LOWER WING

ARC11-716 IAL14 OL1712+512H25

ALPHA( 1 ) = -7.980 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.857						
.865						
.900						
.905						
.950						
.953						
.965						

ALPHA( 1 ) = -7.890 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000						
.020						
.030						
.040						
.048						
.050						
.080						
.085						
.086						
.094						
.150						
.163						
.177						
.229						
.246						
.250						
.274						
.362						
.390						
.400						
.402						
.497						
.550						
.565						
.600						
.650						
.700						
.725						
.750						
.760						



DATE 11 JAN 73  
TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RB1L46)

LOWER WING

ARCIY-716 IA14 OI+Y12+S12M25

ALPHAO( 1) = -7.090 BETA0( 3) = .030

SECTION : LOWER WING

[illegible]

WJ/X  
- .653 - 6219

.829		- .017
.634		- .0461
.509		- .0121 - .0091 -.6993

-.6147

.065	- .7133	- .5052
.000	- .5224	- .4878

.900	-.6251	-.4898
.915	-.5955	-.4594

950	- .4503	.0000
953		

-4533

965      -.4927

$$\text{ALPHA}(1) = -7.959 \quad \text{BETA}(4) = 4.109$$

SECTION : 1 LOWER WING

	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1
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Model	Mean	SE	95% CI	Model	Mean	SE	95% CI
1	0.000	0.000	-0.000, 0.000	5	0.000	0.000	-0.000, 0.000
2	0.000	0.000	-0.000, 0.000	6	0.000	0.000	-0.000, 0.000
3	0.000	0.000	-0.000, 0.000	7	0.000	0.000	-0.000, 0.000
4	0.000	0.000	-0.000, 0.000	8	0.000	0.000	-0.000, 0.000
9	0.000	0.000	-0.000, 0.000	10	0.000	0.000	-0.000, 0.000
11	0.000	0.000	-0.000, 0.000	12	0.000	0.000	-0.000, 0.000
13	0.000	0.000	-0.000, 0.000	14	0.000	0.000	-0.000, 0.000
15	0.000	0.000	-0.000, 0.000	16	0.000	0.000	-0.000, 0.000
17	0.000	0.000	-0.000, 0.000	18	0.000	0.000	-0.000, 0.000
19	0.000	0.000	-0.000, 0.000	20	0.000	0.000	-0.000, 0.000
21	0.000	0.000	-0.000, 0.000	22	0.000	0.000	-0.000, 0.000
23	0.000	0.000	-0.000, 0.000	24	0.000	0.000	-0.000, 0.000
25	0.000	0.000	-0.000, 0.000	26	0.000	0.000	-0.000, 0.000
27	0.000	0.000	-0.000, 0.000	28	0.000	0.000	-0.000, 0.000
29	0.000	0.000	-0.000, 0.000	30	0.000	0.000	-0.000, 0.000
31	0.000	0.000	-0.000, 0.000	32	0.000	0.000	-0.000, 0.000
33	0.000	0.000	-0.000, 0.000	34	0.000	0.000	-0.000, 0.000
35	0.000	0.000	-0.000, 0.000	36	0.000	0.000	-0.000, 0.000
37	0.000	0.000	-0.000, 0.000	38	0.000	0.000	-0.000, 0.000
39	0.000	0.000	-0.000, 0.000	40	0.000	0.000	-0.000, 0.000
41	0.000	0.000	-0.000, 0.000	42	0.000	0.000	-0.000, 0.000
43	0.000	0.000	-0.000, 0.000	44	0.000	0.000	-0.000, 0.000
45	0.000	0.000	-0.000, 0.000	46	0.000	0.000	-0.000, 0.000
47	0.000	0.000	-0.000, 0.000	48	0.000	0.000	-0.000, 0.000
49	0.000	0.000	-0.000, 0.000	50	0.000	0.000	-0.000, 0.000
51	0.000	0.000	-0.000, 0.000	52	0.000	0.000	-0.000, 0.000
53	0.000	0.000	-0.000, 0.000	54	0.000	0.000	-0.000, 0.000
55	0.000	0.000	-0.000, 0.000	56	0.000	0.000	-0.000, 0.000
57	0.000	0.000	-0.000, 0.000	58	0.000	0.000	-0.000, 0.000
59	0.000	0.000	-0.000, 0.000	60	0.000	0.000	-0.000, 0.000
61	0.000	0.000	-0.000, 0.000	62	0.000	0.000	-0.000, 0.000
63	0.000	0.000	-0.000, 0.000	64	0.000	0.000	-0.000, 0.000
65	0.000	0.000	-0.000, 0.000	66	0.000	0.000	-0.000, 0.000
67	0.000	0.000	-0.000, 0.000	68	0.000	0.000	-0.000, 0.000
69	0.000	0.000	-0.000, 0.000	70	0.000	0.000	-0.000, 0.000
71	0.000	0.000	-0.000, 0.000	72	0.000	0.000	-0.000, 0.000
73	0.000	0.000	-0.000, 0.000	74	0.000	0.000	-0.000, 0.000
75	0.000	0.000	-0.000, 0.000	76	0.000	0.000	-0.000, 0.000
77	0.000	0.000	-0.000, 0.000	78	0.000	0.000	-0.000, 0.000

0.050	-0.1218	0.0001	0.2502	0.0000	0.0000
0.020				-0.9904	-0.9675
					-0.0857
					-0.0086

.939      -.1853

.040	.1033	-.1933
.048		

0.050	-0.0500	-0.8758	-0.9548	-0.8026	-0.8025
0.000		-0.4911			

045 -1726

786 .0969

0386 - 0324  
0394 - 0324  
0399 - 0324

[illegible]

.163	.9733	
		.000

.177	- .1946
.229	
.363	

.246      -.0866

.250	-.2512	-.2371	-.9601	-.0434
.274			-.1770	

1962 7546

.390	- .1364	2029	- 2115	- 9112
.392				
.394				

.402	-.2928	-.2116	-.3412
.402		-.1648	

.497 -.1036

.550	- .1413	- .1859
.565	- .2339	

1000

-.3013

10

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(R01L46)

ARC11-716 IAI4 OL+T12+S12N25

LOWER WING

ALPHA ( 1 ) = -7.950 BETA ( 4 ) = 4.100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .9870

X/CW  
 .700 -.2500  
 .725  
 .750  
 .760  
 .775  
 .800  
 .834  
 .850  
 .857  
 .865  
 .900  
 .905  
 .950  
 .953  
 .965  
 .4501  
 .5092  
 -.5650  
 -.3292  
 -.5370  
 -.6703  
 -.6503  
 -.6324  
 -.7982  
 -.7947  
 -.7243  
 -.6682  
 -.5250  
 -.3960  
 -.6516  
 -.6315  
 -.3921  
 .0000  
 -.3427

ALPHA ( 1 ) = -7.980 BETA ( 5 ) = 8.190

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .9870

X/CW  
 .000  
 .020  
 .030  
 .040  
 .048  
 .050  
 .080  
 .085  
 .086  
 .094  
 .150  
 .163  
 .177  
 .229  
 .246  
 .250  
 .274  
 .362  
 .390  
 .400  
 .402  
 .497  
 .0281  
 .1946  
 .1204  
 -.1003  
 -.2524  
 -.2506  
 -.9299  
 -.9512  
 -.8577  
 -.7087  
 -.1845  
 -.1645  
 -.6341  
 -.8785  
 -.8619  
 -.8035  
 -.3719  
 -.1347  
 .0557  
 -.1438  
 .0444  
 -.1475  
 -.0777  
 -.2303  
 -.2709  
 -.9943  
 -.8988  
 -.1556  
 .0130  
 -.1291  
 -.2149  
 -.2567  
 -.9280  
 -.1772  
 -.1074



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2265

(R01L46)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( 1 ) = -7.980 BETA( 5 ) = 0.190

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.2841	-.3048		
.565				-.2843			
.600							-.5381
.650							
.700	-.2631			-.5052	-.5729		
.725							
.750							
.760							
.775							
.808							
.834	-.4075						
.850							
.857							
.865	-.4602						
.900	-.4905						
.905							
.950							
.953							
.955	-.4638						

ALPHA( 2 ) = -3.920 BETA( 1 ) = -0.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1221	.2129	.4980	.5945	.5245	.4690	.4336
.020							
.030							
.040							
.048							
.050	-.0407						
.060							
.085							
.086							
.094	-.0240						
.150							
.163							
.177							
.229	.1408						
.246							
.250							
.274							
.362							

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(RB1L46)

LOWER WING

ARC11-716 IA14 01+712+512N25

ALPHA( 2 ) = -3.920 BETA( 1 ) = -8.050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.390	.0751	.1331	.0622	...	.0960
.400					
.402	.1346				
.437	.0731				
.550		.0475	-.0557		
.565					
.600		.0892			-.2550
.650					
.700	.1061		-.3951		
.725					
.750					
.775					
.808					
.834	-.7591				
.850					
.857					
.865	-.8091				
.900	-.5963				
.905					
.950					
.953					
.965	-.4978				

ALPHA( 2 ) = -3.920 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2323	.1889	.4414	.5036	.4179	.3464	.3851
.020				-.4745	-.8814	-.8231	-.6576
.030			.0611				
.040		.2110					
.048			-.0243				
.050							
.060	-.1665			-.6292	-.6834	-.6693	-.5822
.085				-.2204			
.086			-.0301				
.094	-.0129	.2050					
.150							
.163							
.177		.1992					
.229							



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

PAGE 2267

(RB1L46)

LOWER WING

ARC11-716 1A14 01+112+512+25

ALPHA( 2 ) = -3.920 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW		.0019					
.246							
.250							
.274							
.362							
.390							
.400							
.402							
.497							
.550							
.563							
.507							
.650							
.703							
.723							
.750							
.750							
.775							
.808							
.834							
.857							
.865							
.900							
.905							
.950							
.953							
.965							

ALPHA( 2 ) = -3.850 BETA( 3 ) = .020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000							
.020							
.030							
.040							
.048							
.050							
.080							
.085							
.086							
.094							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L46)

LOWER WING

ARC11-716 1A14 01+112+312425

ALPHA( 2 ) = -3.850 BETA( 3 ) = .020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.150 .163 .177 .229 .246 .250 .274 .352 .402 .497 .550 .555 .600 .650 .707 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .905 .950 .953 .965

.1694 .1060 .0176 .0639 .0316 .0192 .0227 .0066 .0375

-.1785 -.1826 -.3724 -.5204

-.0934 -.0931 -.0847 -.2817

-.3240

-.5482 -.5145

-.6380 -.6107

-.8405 -.8008 -.7385

-.4589 -.4891 .0000

-.4389

-.6425

-.4589 -.4891 .0000

-.4389

-.6425

-.4589 -.4891 .0000

-.4389

-.6425

-.4589 -.4891 .0000

-.4389

-.6425

-.4589 -.4891 .0000

-.4389

-.6425

-.4589 -.4891 .0000

-.4389

-.6425

-.4589 -.4891 .0000



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - TAIL - VOL. 3  
 (R01L46)

ALPHA (2) = -3.970 BETA (4) = 4.100  
 ARC11-715 TAIL 01+112+512+25 LOWER WING

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP
Y/BW	
X/CM	
.000	-.2934
.005	-.0645
.006	.1377
.034	-.0320
.150	-.1920
.163	-.2317
.177	-.5555
.229	-.5840
.246	-.0832
.250	-.0202
.272	-.1377
.352	-.1557
.390	-.0814
.402	-.0804
.409	-.0599
.437	-.0392
.451	-.0729
.463	-.1177
.465	-.1705
.469	-.1649
.490	-.3495
.492	-.4922
.495	-.5457
.499	-.5666
.525	-.5269
.550	-.5528
.563	-.6422
.575	-.6495
.604	-.6709
.634	-.6709
.643	-.8218
.657	-.8203
.667	-.7596
.690	-.4931
.703	-.4093
.750	-.6562
.753	-.4308
.755	-.3401
.756	-.4109

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DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(RB1L46) LOWER WING

ARC11 716 IA14 01+112+512H25

ALPHA(2) = -3.993 BETA( 5) = 0.160

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP
Y/Z =	
0.20	.2990 .3640 .4270 .5340 .6750 .7800 .8670
0.25	-.4262 .0245 .1205 .2916 .1145 -.0112 .0304
0.30	-.5409 -.9459 -.7605 -.6650
0.35	.0124
0.40	.0514
0.45	-.0264
0.50	-.2764 -.7271 -.7420 -.6765
0.55	-.2155
0.60	-.0392
0.65	.0641
0.70	-.1670
0.75	.0707
0.80	-.0627
0.85	-.0285
0.90	-.0311
0.95	-.1232 -.2030 -.1732 -.6216
1.00	-.0793
1.05	.0317
1.10	-.0636
1.15	-.1113
1.20	-.1336 -.1629 -.2545
1.25	-.2352 -.2641
1.30	-.2324
1.35	-.3347
1.40	-.4031
1.45	-.5398
1.50	-.4737
1.55	-.5965 -.5630
1.60	-.4270
1.65	-.5908 -.6143
1.70	-.5819
1.75	-.6917 -.7536 -.7709
1.80	-.6051
1.85	-.5205
1.90	-.5699 -.3778 -.7996
1.95	-.3078 .0000
2.00	-.3320
2.05	-.4380



DATE 11 JUN 75 TABULATED PRESSURE DATA - IALIA - 4.2 5

(RBL46)

LOWER WING

40011-716 IALIA JLF112+512425

ALPHAC130 = -.300 BETAC130 = -.0100

SECTION 1: LOWER WING INDEPENDENT VARIABLE CP

V/BW .2990 3440 .4270 .5340 .6730 .7970 .8870

1/CM

.000 -.0925 .1677 .5238 .6914 .5559 .5156 .0260  
 .020 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .030 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .040 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .045 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .050 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.055 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .060 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .065 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .070 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .075 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .080 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.085 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .090 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .095 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .100 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.105 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .110 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .115 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .120 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.125 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .130 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .135 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .140 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.145 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .150 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .155 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .160 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.165 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .170 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .175 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .180 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.185 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .190 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .195 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .200 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.205 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .210 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .215 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .220 .0300 .0300 .0300 .0300 .0300 .0300 .0300

.225 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .230 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .235 .0300 .0300 .0300 .0300 .0300 .0300 .0300  
 .240 .0300 .0300 .0300 .0300 .0300 .0300 .0300

END PAGE 11  
 QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(SBL-46)

LOWER WING

ARC11-716 1A14 01+712+512+25

ALPHA (°) = -3.320 BETA (°) = -4.030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

ROW	2990	3643	4270	5340	6730	7800	8870
1	.2079	.1732	.4811	.6155	.5689	.5273	.5500
2	.029	.033	.2294	-.0896	-.1013	-.2382	-.2312
3	.243	.2913	.1195				
4	.349			-.0451	-.1065	-.1257	-.11763
5	.350				-.0294		
6	.34		.0838				
7	.58	.2584					
8	.74			.0426	.0617	.0341	-.0231
9	.150	.2641	.0617				
10	.57						
11	.264	.1425					
12	.246	.0854		.0925	.0760	.0534	-.0655
13	.290		.0906				
14	.274						
15	.342	.2003		.1500	.0797		-.0760
16	.193	.1316	.1391				
17	.403			.0479	-.0543		-.2634
18	.402		.0722			-.8737	
19	.497	.0930			-.4166		
20	.593			-.4306		-.5244	-.4818
21	.565		-.5295				
22	.603		-.7833	-.3754	-.5534		
23	.630						
24	.703	.0772					
25	.725						
26	.750						
27	.760						
28	.775						
29	.808						
30	.834	-.7823		-.8417	-.7508	-.6924	
31	.850						
32	.857		-.8745				
33	.865	-.8233					
34	.900	-.5701		-.4549			-.7210
35	.935		-.4837	-.4773			
36	.950		-.4562			.0300	
37	.953		-.4325				
38	.965	-.4470					



(881248)

TABULATED PRESSURE DATA - IAI4A - V.A. 3

ARC11-716 IAI4 01+112+512+25

LOWER WING

ALPHA (3) = -.330 BETA (3) = .040

DEPENDENT VARIABLE CP

SECTION 1 (1) LOWER WING

Y/BW .2890 .3610 .4275 .5140 .6130 .7000 .8070

Z/CSW

.000	-.3063	.1353	.424	-.5319	.4684	.4224	.4975
.020				-.1694	-.3252	-.3457	-.3580
.030			.1903				
.040		.2110					
.048			.0638				
.050	-.0195			-.0955	-.1775	-.2356	-.2661
.080					-.0942		
.085			.0546				
.086		.2217					
.094	.0117						
.150		.2246		-.0203	-.0008	-.0243	-.0789
.163			.0215				
.177							
.229	.1177						
.246		.0549		.0256	.0104	.0037	-.1097
.253			.0336				
.274							
.352	.1634						
.390		.0487		.0030	.0367		-.1150
.400			.0642				
.402							
.497	.0559			-.0012	-.0903		
.550			-.0033				
.565							
.600							
.650							
.700	-.0277						
.725				-.4755			
.750							
.760			-.5005				
.775				-.6227	-.5980		
.775			-.8222				
.808							
.834	-.0026			-.0649	-.7925	-.7540	
.850			-.6149				
.857							
.865	-.7138						
.900	-.6474			-.4572			-.7619
.905			-.4336		-.4845		
.950				-.4517		.0000	
.955			-.4459				
.965	-.3778						

(RBL48)

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA( 3 ) = -.330 BETA( 4 ) = 4.080

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/OW	.2900	.3800	.4270	.5340	.6730	.7800	.8870
Y/CW							
.000	-.3474	.0708	.3337	.4451	.3644	.3167	.3589
.020				-.1917	-.4157	-.4372	-.4797
.030			.1684				
.040		.1296					
.048			.0661				
.050	-.0807			-.1120	-.2434	-.2764	-.3572
.060				-.1059			
.065			.0348				
.075		.1537					
.084	-.0447			-.0560	-.0664	-.0833	-.1635
.100		.1691					
.163			.0919				
.177							
.229	.0679						
.246		.0316		-.0295	-.0462	-.0498	-.1499
.253			-.0038				
.274							
.362	.1140						
.393		.0055		-.0035	-.0310		-.1599
.400			-.0190				
.402							
.497	.0128			-.1019	-.1528		
.550							
.565			-.1329				
.600							
.650							
.700	-.1457			-.5460		-.3611	-.3470
.725				-.5050			
.750							
.760			-.5647			-.5828	-.5728
.775				-.6635	-.6522		
.808			-.6432				
.834	-.4368						
.850				-.8105	-.8292	-.7779	
.857			-.6641				
.865	-.4879						
.900	-.5063			-.5034			-.8050
.905			-.6361	-.4164			
.950			-.4056			.000	
.955			-.5282				
.965	-.3894						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81-46)

LOWER WING

ARCL-716 1A14 70+112+512+25

ALPHA=0.517 -0.550 BETAD 1.517 0.160

SECTION 1 THROUGH 5 WING DEPENDENT VARIABLE CO

WING	2000	3000	4000	5000	6000	7000	8000
1/CM							
.000	-.5163	-.0267	.1252	.2096	.2862	.2056	.2469
.020				-.1457	-.4972	-.5918	-.6035
.030			.0868				
.040		.0165					
.048			.0487				
.050	-.2359			-.0655	-.2516	-.3059	-.4514
.055				-.0539			
.065			.0337				
.086		.0589					
.094	-.1622						
.100			.0890		-.0405	-.0939	-.1511
.163							-.2250
.177			.0043				
.229	-.0940						
.246		.0135			-.0456	-.1055	-.1182
.250							-.2271
.274			-.0163				
.348	.0620						
.390		-.0137					
.400					-.0789	-.1256	-.2111
.432			-.0350				
.487	-.0087						
.550					-.2061	-.2618	
.565			-.1863				-.3922
.600						-.4160	
.650					-.5075		
.700	-.1755			-.4443		-.5988	-.6123
.725							
.750			-.4066				
.760				-.5527	-.6032		
.775			-.5520				
.808							
.834	-.3963					-.6753	-.7424
.850			-.5846				
.897							
.965	-.4315						-.8254
.970	-.4606			-.4950		-.3621	
.995			-.5555				.0000
.995			-.2760				
.995			-.3032				
.995	-.3691						

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(R01L46)

TABULATED PRESSURE DATA - IA14A - VOL. 5

LOWER WING

DATE 11 JAN 75

ARC11-1.6 IA14 01+112+312N25

ALPMAC( 4) = 4.100 BETA0 ( 1) = -8.100

DEPENDENT VARIABLE CF

SECTION ( 1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0430	.0872	.4988	.7008	.6746	.6157	.5803
.020				.3287	.3116	.3622	.3469
.030			.4528				
.040		.3171					
.048			.3316				
.050	-.0396			.2655	.2702	.2652	.2193
.060				.2296			
.085		.3621					
.094	-.0316			.2387	.2624	.2366	.1660
.150							
.163		.3897					
.177			.2295				
.229	.2135						
.245		.2324					
.250				.2344	.2114	.1874	.0538
.274			.2361				
.362	.3064						
.390		.2343					
.400				.2283	.1950		.0083
.402			.2399				
.497	.2220						
.550			.1165	.0889	-.0025		
.565							
.600							
.650							
.700	.1508						
.725				-.3898			
.750							
.760							
.775							
.808							
.834	-.7306						
.850							
.857							
.865	-.7754						
.900	-.5653						
.905							
.950							
.955							
.965	-.4383						



(R81L46)

LOWER WING

TABULATED PRESSURE DATA - DATA - 72.1.5

DATE 10 JAN 73

A9L11-716 TA. 00712-512-25

ALPHA(4) X 4.000 BETA(12) X -4.000

SECTION (1) LOWER WING	DEPENDENT VARIABLE C			
Y/BW	X/CW	Y/BW	X/CW	Y/BW
.000	.000	.000	.000	.000
.020	.020	.020	.020	.020
.030	.030	.030	.030	.030
.040	.040	.040	.040	.040
.050	.050	.050	.050	.050
.060	.060	.060	.060	.060
.070	.070	.070	.070	.070
.080	.080	.080	.080	.080
.090	.090	.090	.090	.090
.100	.100	.100	.100	.100
.110	.110	.110	.110	.110
.120	.120	.120	.120	.120
.130	.130	.130	.130	.130
.140	.140	.140	.140	.140
.150	.150	.150	.150	.150
.160	.160	.160	.160	.160
.170	.170	.170	.170	.170
.180	.180	.180	.180	.180
.190	.190	.190	.190	.190
.200	.200	.200	.200	.200
.210	.210	.210	.210	.210
.220	.220	.220	.220	.220
.230	.230	.230	.230	.230
.240	.240	.240	.240	.240
.250	.250	.250	.250	.250
.260	.260	.260	.260	.260
.270	.270	.270	.270	.270
.280	.280	.280	.280	.280
.290	.290	.290	.290	.290
.300	.300	.300	.300	.300
.310	.310	.310	.310	.310
.320	.320	.320	.320	.320
.330	.330	.330	.330	.330
.340	.340	.340	.340	.340
.350	.350	.350	.350	.350
.360	.360	.360	.360	.360
.370	.370	.370	.370	.370
.380	.380	.380	.380	.380
.390	.390	.390	.390	.390
.400	.400	.400	.400	.400
.410	.410	.410	.410	.410
.420	.420	.420	.420	.420
.430	.430	.430	.430	.430
.440	.440	.440	.440	.440
.450	.450	.450	.450	.450
.460	.460	.460	.460	.460
.470	.470	.470	.470	.470
.480	.480	.480	.480	.480
.490	.490	.490	.490	.490
.500	.500	.500	.500	.500
.510	.510	.510	.510	.510
.520	.520	.520	.520	.520
.530	.530	.530	.530	.530
.540	.540	.540	.540	.540
.550	.550	.550	.550	.550
.560	.560	.560	.560	.560
.570	.570	.570	.570	.570
.580	.580	.580	.580	.580
.590	.590	.590	.590	.590
.600	.600	.600	.600	.600
.610	.610	.610	.610	.610
.620	.620	.620	.620	.620
.630	.630	.630	.630	.630
.640	.640	.640	.640	.640
.650	.650	.650	.650	.650
.660	.660	.660	.660	.660
.670	.670	.670	.670	.670
.680	.680	.680	.680	.680
.690	.690	.690	.690	.690
.700	.700	.700	.700	.700
.710	.710	.710	.710	.710
.720	.720	.720	.720	.720
.730	.730	.730	.730	.730
.740	.740	.740	.740	.740
.750	.750	.750	.750	.750
.760	.760	.760	.760	.760
.770	.770	.770	.770	.770
.780	.780	.780	.780	.780
.790	.790	.790	.790	.790
.800	.800	.800	.800	.800
.810	.810	.810	.810	.810
.820	.820	.820	.820	.820
.830	.830	.830	.830	.830
.840	.840	.840	.840	.840
.850	.850	.850	.850	.850
.860	.860	.860	.860	.860
.870	.870	.870	.870	.870
.880	.880	.880	.880	.880
.890	.890	.890	.890	.890
.900	.900	.900	.900	.900
.910	.910	.910	.910	.910
.920	.920	.920	.920	.920
.930	.930	.930	.930	.930
.940	.940	.940	.940	.940
.950	.950	.950	.950	.950
.960	.960	.960	.960	.960

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(RBIL46)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 5  
ARC11-716 IAL4 OI+112+312N25 LOWER WING

ALPHA( 4 ) = 4.090 BETA( 3 ) = .030

SECTION ( 1 ) : LOWER WING DEPENDENT VARIABLE CF

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CM							
.000	-.3483	.0026	.3878	.5904	.5543	.4890	.4634
.020				.1629	.1159	.1698	.1774
.030			.3438				
.040		.1996					
.048			.2281				
.050	-.1074			.1272	.1114	.1121	.0865
.080				.1064			
.085			.1806				
.086		.2618					
.094	.0116						
.150				.1156	.1441	.1285	.0538
.163		.2922					
.177			.1284				
.229	.1450						
.246		.1378		.1196	.1079	.0963	-.0087
.250			.1241				
.274	.2100						
.362		.1254		.1258	.0724		-.0808
.390			.1225				
.400	.1209			.0027	-.0783		
.402			.0100				
.497							-.2867
.550					-.0986		
.565				-.4719			
.600							
.650							
.700	-.0033						
.725							
.730							
.760							
.775							
.808							
.834	-.8019						
.850							
.857							
.865							
.900	-.6217						
.905							
.950							
.955							
.965							



TABULATED PRESSURE DATA - IA14A - VOL. 5

LOWER WING

APC11-716 1A14 C1+712+912N25

CASE 1: JAN 73

$$\text{ALPHA}(\text{J}) = 4.975 \quad \text{BETA}(\text{J}) = 4.125$$

SECTION (1) LOWER WING

	Y/BW	.2990	.3640	.4210	.5340	.6730	.7800	.8870
1								
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R51x

.900	-.5598	-.0595	.2599	.4924	.4846	.4305	.4188
.920				.0716	.0206	.0787	.0921
.930			.2292				
.940		.0822					
.949			.1472				
.950	-.1124			.0620	.0310	.0391	.0227
.980				.0448			
.985			.1171				
.986		.1608					
.994	-.0451						
.150		.1991		.0556	.0809	.0720	.0040
.163			.0767				
.177							
.229	.0814						
.246		.0836					
.250				.0532	.0448	.0406	-.0484
.274			.0610				
.352	.1403						
.390		.0583					
.400				.0448	.0193		-.1135
.402			.0331				
.497	.0584						
.550				-.0795	-.1249		
.555			-.1010				-.3194
.600						-.3531	
.650					-.4878		
.700	-.1154			-.5213			
.725							
.750			-.5674			-.5787	-.5449
.760				-.6457	-.6280		
.775			-.6809				
.808							
.834	-.4582						
.850				-.6319	-.6099	-.7522	
.857			-.6622				
.865	-.5014						
.900	-.5101			-.4802	-.4156		-.7828
.905			-.5284				
.950			-.3945			.0000	
.953			-.3108				
.965	-.3638						

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14 - VOL. 5

(RB1L46)

LOWER WING

ARC11-716 IAL14 OL+112+512+25

ALPHA( 4 ) = 4.060 BETA( 5 ) = 0.200

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.5502	-.0392	.0665	.2282	.4284	.3649	.3736
.020				.0822	-.0764	-.0486	-.0221
.030			.1033				
.040		-.0055					
.049			.0830				
.050	-.2380			.0676	-.0436	-.0396	-.0651
.080				.0536			
.085			.0767				
.086		.0590					
.094	-.1531			.0393	.0184	.0013	-.0594
.150		.1077					
.163			.0595				
.177							
.229	.0180			.0173	-.0223	-.0151	-.1002
.246		.0535					
.250							
.274			.0378				
.362	.0843			-.0243	-.0664		-.1550
.390		.0305					
.400			-.0072				
.402							
.497	.0276			-.1616	-.2103		
.550			-.1525				
.565						-.3602	
.600							
.650							
.700	-.1518			-.4621	-.5112		
.725						-.3037	
.750							
.760			-.4388			-.6061	-.5848
.775				-.5639	-.6249		
.808			-.5677				
.834	-.4250						
.850				-.7022	-.7659	-.7733	
.857			-.6049				
.865	-.4494						
.900	-.4768			-.4200			-.6185
.905			-.4453		-.3835		
.950				-.2625		.0000	
.953			-.2783				
.965	-.3542						





(881L46)

LOWER WING

TABULATED PRESSURE DATA - IAL14 - VOL. 5

ARC11-716 IAL14 01+T12+S12N25

ALPHA( S) = 7.920 BETA( R) = -4.020

SEC 10N ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2196	-.0796	.4224	.6478	.5026	.4627	.3993
.020			.4105	.4472	.5077	.4797	
.030			.4613				
.040		.2539					
.048			.3378				
.050	-.0614		.3131	.3693	.3809	.3420	
.080			.2608				
.083		.2813					
.086		.3324					
.094	-.0320						
.130		.3616		.2402	.3063	.2940	.2197
.163			.2136				
.177							
.229	.1865						
.246		.2034		.2163	.2236	.2182	.1140
.250			.2034				
.274	.2633						
.362		.1941		.1865	.1429		.0140
.390			.1875				
.400				.0303	-.0273		
.402			.0466				
.497	.1801					-.2299	
.530					-.4103		
.563							
.600							
.630							
.700	.0576						
.725				-.4204			
.750							
.760			-.5134				
.775				-.5480	-.5068		
.808			-.7441				
.834	-.7723						
.850							
.857			-.8476				
.863	-.8068						
.900	-.5688						
.903							
.910							
.920							
.933							
.963	-.4233						



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 3  
 (881148)

ARC11-716 1A14 11-712+512N25  
 LOWER WING

ALPHA: 5.0 7.010 BETA: (3) = .085

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2993	.3540	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3696	-.1155	.3540	.6064	.5473	.4362	.3565
.020				.2970	.3533	.4364	.4180
.030			.3021				
.040		.1868					
.045			.2785				
.050	-.1425			.2295	.2922	.3139	.2883
.080				.1931			
.085			.2291				
.086		.2745					
.134	-.0073						
.140				.1843	.2492	.2479	.1761
.153		.3114					
.177			.1683				
.229	.1475						
.246		.1649					
.263			.1620	.1696	.1800	.1799	.0726
.274	.2242						
.352		.1555		.1500	.1130		-.0198
.390							
.400			.1466				
.432				.0159	-.0504		
.497	.1437		.0170				
.550							
.565							
.600							
.633							
.700	.0065						
.725				-.4441	-.4273		
.750							
.763							
.775							
.808							
.834	-.7851						
.850							
.857							
.865	-.7388						
.900	-.6175						
.935							
.950							
.953							
.965	-.3588						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL46)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA(  $\beta$  ) = 8.040 BETA(  $\gamma$  ) = 4.150

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
.000	-.6135	-.1564	.1455	.5224	.5000	.3933	.3158	
.020			.2183	.2404	.3450	.3564		
.030		.2539						
.040		.0376						
.048		.2026						
.050	-.1759		.1520	.1937	.2377	.2336		
.060			.1176					
.085		.1735						
.086		.1543						
.094	-.0669			.1048	.1791	.1863	.1265	
.150		.2143						
.163		.1266						
.177								
.229	.0864			.0880	.1120	.1319	.0309	
.246		.1276						
.250								
.274		.1009						
.362	.1545							
.390		.0923		.0658	.0577		-.0589	
.400								
.402	.0813			-.0658	-.0934			
.497		-.0804						
.550								
.565								
.600								
.650								
.700	-.1057							
.725				-.5020	-.4576		-.2983	
.750								
.760								
.775				-.5757	-.6265	-.5959		
.808				-.7230				
.834	-.4601							
.850								
.857				-.6910				
.865	-.5068							
.900	-.5070							
.905								
.950				-.4771	-.4262			
.955				-.4328				
.965	-.3372			-.3200				



(881146)

DATE 11 JAN 75 TAPULATED PRESS RE DATA - TAPULA - VOL. 5

LOWER WING

ARC11-716 TAPULA 11+112+112+112+112+112

ALPHA 0.15 0.050 0.143 0.15 0.222

DETERMINANT VARIAB C OF

SECTION 1 LOWER WING

1/8W .2993 .3640 .4270 .5340 .6733 .7000 .8870

1/6W

.0000 -.0834 -.0860 -.0639 .0549 .4393 3.775 .2982

.0400 .2026 .2079 .2570 .2961

.0330 .1031

.0400 -.0336

.0400 .1257

.0500 -.2500 .1772 .1574 .1305 .1729

.0800 .1561

.0900 .1361

.1000 .0605

.1100 -.1468 .1228 .1264 .1371 .0839

.1200 .1311

.1300 .1215

.1400 .0356

.1500 .1075

.1600 .0950 .0631 .0879 -.0059

.1700 .0932

.1800 .0471

.1900 .0291 .0013 -.0883

.2000 .0471

.2100 .1112 -.1452

.2200 -.1074

.2300 -.3310

.2400 -.4656

.2500 -.5828 -.5441

.2600 -.4517

.2700 -.5779 -.6010

.2800 -.5716

.2900 -.7059 -.7826 -.7481

.3000 -.6095

.3100 -.4468

.3200 -.4732

.3300 -.4454

.3400 -.2996

.3500 -.2827

.3600 .0000

.3700 .0000

.3800 .0000

.3900 .0000

.4000 .0000

.4100 .0000

.4200 .0000

.4300 .0000

.4400 .0000

.4500 .0000

.4600 .0000

.4700 .0000

.4800 .0000

.4900 .0000

.5000 .0000





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DATE 11 JAN 75 TABULATED PRESSURE DATA - TALOA - VOL 5

ARC11-716 TAL4 J19T12+512254 LOWER WING

ALPHA: 11.5 -7.960 BETA: 11.5 -8.070

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

W/L	.2990	.3610	.4270	.5340	.6750	.7800	.8970
C <sub>D</sub>							
.950				-.5572			.0008
.953				-.5284			
.965	-.5114						

ALPHA: 11.8 -7.960 BETA: 12.0 -4.013

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

W/L	.2990	.3640	.4270	.5340	.6750	.7800	.8970
C <sub>D</sub>							
.990	-.2365	-.1433	.3491	.4212	.3066	.2043	.2285
.920				-.0221	-.3645	-1.0370	-.9735
.930				-.1113			
.940		.0445					
.948			-.1391				
.950	-.3125			-.7555	-.9633	-1.0490	-1.0100
.961				-.3937			
.965			-.1123				
.966		.1384					
.994	-.3281			-.2832	-.5348	-.9563	-.9515
.150		.1436					
.163							
.177				-.1871			
.229	-.0598						
.246		-.0521		-.2543	-.3422	-.5249	-.6658
.253							
.274			-.1693				
.362	.1143						
.390		-.1508					
.400				-.0942	.0086		-.5097
.402				-.1353			
.497	-.0891						
.550				.0760	-.0155		
.565				.0807			
.600							
.650							
.710	.0555			-.3406			
.725					-.3130		
.750							
.753							
.760				-.4274			
.774				-.1400	-.4355		
.878				-.8557			
.894	-.6620						
.910				-.7155	-.6079	-.5151	

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(801L47)

LOWER WING

ARC11-716 1A14 OUT12-512N25

ALPHA ( 1 ) = -7.960 BETA ( 2 ) = -4.910

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.837						
.865	-.0991					
.900	-.6307					
.905		-.8312				-.4753
.950		-.5352		-.8040		
.950			-.4967			.0000
.955				-.5112		
.965	-.4765					

ALPHA ( 1 ) = -7.960 BETA ( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.020	-.5118	-.0595	.2975	.3278	.1893	.0716	.0937
.020				-.8636	-1.0140	-1.0310	-.8560
.030			-.5154				
.040		.0804					
.048			-.1496				
.050	-.3226			-.7637	-.9972	-.9910	-.8454
.060				-.4118			
.085			-.1351				
.086		.0952					
.094	-.2966						
.150				-.3139	-.5820	-.8428	-.8210
.163		.1119					
.177			-.1861				
.229	-.0430						
.246		-.0710					
.250				-.2240	-.4077	-.7196	-.7715
.274			-.1590				
.362	.0720						
.390		-.1052					
.400				-.1612	-.1991		-.6554
.402			-.1352				
.497	-.0901						
.550				.0286	-.0504		
.565			-.0673				
.650						-.1860	-.4822
.700	-.1133					-.3571	
.725					-.3823		
.750						-.4050	-.2999
.765			-.4888				



.881,477

LOWER WING

TABULATED RESULTS OF DATA ANALYSIS  
ARCHIVE FILE 10170512025

ALPHA = 0.05 BETA = 0.05

DEPENDENT VARIABLE CP

SECTION (LOWER WING)

Y/OW .881,477 .4273 .5340 .6730 .7800 .8870

X/CW

.775 -.5213 .4765  
.808 -.7961  
.834 -.7129  
.852 -.6528  
.867 -.6009  
.881 -.5720  
.895 -.5370  
.908 -.5070  
.922 -.4690  
.935 -.4088  
.948 -.4434

ALPHA = 0.05 BETA = 0.05

DEPENDENT VARIABLE CP

SECTION (LOWER WING)

Y/OW .881,477 .4273 .5340 .6730 .7800 .8870

X/CW

.775 -.2977 -.0482 .2520 .2331 .0598 -.0626 -.0491  
.808 -.0231 -.0863 -.0904 -.0570 -.7584  
.834 -.1251  
.852 -.0400  
.867 -.1480  
.881 -.2511  
.895 -.7107  
.908 -.0552  
.922 -.7809  
.935 -.4452  
.948 -.1444  
.961 -.0646  
.974 -.1789  
.987 -.0374  
1.000 -.1169  
1.013 -.0951  
1.026 -.2394  
1.039 -.3120  
1.052 -.0662  
1.065 -.0017  
1.078 -.1661  
1.091 -.1091  
1.104 -.2343  
1.117 -.1676  
1.130 -.1425  
1.143 -.0687  
1.156 -.1252  
1.169 -.5401  
1.182 -.1078

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 ARC11-716 1A14 01+T12+S12N25 LOWER WING (R81L47)

ALPHA( 1 ) = -7.960 BETA( 4 ) = 4.120

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.700	-.2026			-.4522		-.3841	
.725							
.750						-.3996	-.2203
.760			-.5285				
.775				-.5776		-.5215	
.808						-.5651	
.834			-.3432				
.850				-.7507		-.6903	-.5801
.857			-.5994				
.865							
.900			-.4119				
.900			-.4908				-.4710
.905				-.4692		-.3919	
.950				-.6515			
.950				-.3974			.0000
.953						-.3547	
.965							

ALPHA( 1 ) = -7.990 BETA( 5 ) = 8.210

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.090	-.3257	-.0871	.0790	.1595	-.0462	-.1602	-.1569
.090				-.0321	-.8436	-.7279	
.030			-.1785				
.040		-.0237					
.048			-.1597				
.050				-.6938	-.0251	-.7275	-.6744
.080					-.3637		
.085			-.1354				
.086		-.0086					
.094							
.150		-.2261					
.163			-.0066				
.177				-.2432	-.0700	-.0427	-.7054
.229		-.1337					
.246			-.1012				
.250				-.1779	-.1666	-.0908	-.0042
.274						-.1457	
.362		-.0415					
.390			-.1138				
.400				-.1504	-.1921		-.0103
.402						-.1409	
.497							-.1112





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L47)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( 2 ) = -3.820 BETA( 1 ) = -0.120

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
Y/OW	
.2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.390 .400 .402 .497 .550 .565 .600 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .905 .950 .953 .965	
	.0614
	.2097 .1529 .0024
	.1826
	.0382
	.1468 .0562
	.1712
	-.1395
	-.1415
	-.2628
	-.2016
	-.3671
	-.4142
	-.4038
	-.6171
	-.7368
	-.6642
	-.5800
	-.5291
	-.7908
	-.8637
	-.7072
	-.5620
	.0000
	-.5240
	-.5036

ALPHA( 2 ) = -3.830 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP
Y/OW	
.2990 .3640 .4270 .5340 .6730 .7800 .8870	
X/CW	
.000 .020 .030 .040 .048 .050 .060 .065 .086 .094 .150 .163 .177 .229	
	-.1837
	-.0113
	.4426
	.5411
	.4601
	.3905
	.4360
	-.4027
	-.7369
	-.6197
	-.4058
	.1089
	.1362
	.0146
	-.2779
	-.6420
	-.7145
	-.4021
	-.2153
	.0056
	.1678
	-.3037
	-.1471
	-.1762
	-.0753
	-.3069
	.2061
	-.0469
	-.0256



DATA FILE: 0871647

ALPHA ( 2 ) = -1.910 BETA ( 3 ) = .030

ALPHA ( 2 ) = -1.910 BETA ( 3 ) = .030

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .9870

X/CW	DEPENDENT VARIABLE CP
.246	.0083
.250	-.0630 .0869 .0778 -.1775
.274	-.0290
.362	.1464
.390	.0002
.400	.1623 .1173 -.0202
.402	.1064
.497	-.0021
.550	.1108 .0261
.565	.1249
.602	-.1443
.650	-.1664
.700	.1022
.725	-.3156
.750	-.3967 -.3621
.760	-.4003
.775	-.4534 -.4218
.805	-.6255
.834	-.6377
.850	-.6939 -.6033 -.5461
.855	-.7621
.865	-.8148
.900	-.5671
.905	-.5357 -.8000
.950	-.5083 .0000
.955	-.4969
.965	-.4721

ALPHA ( 2 ) = -1.910 BETA ( 3 ) = .030

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .9870

X/CW	DEPENDENT VARIABLE CP
.000	-.2492 .0003 .3857 .4540 .3530 .2694 .3027
.020	.020
.030	-.4910 -.8151 -.9029 -.5827
.040	.0815
.046	.1185
.048	-.0145
.050	-.2842 -.7411 -.8262 -.5612
.080	-.2476
.085	-.0279
.086	.1392
.094	-.2852



$$\text{ALPHA}(\text{2}) = -3.910 \quad \text{BEAO}(\text{3}) = .030$$

DEPENDENT VARIABLE CP

Y/8W	.2995	.3640	.4270	.5340	.6730	.7890	.8870
------	-------	-------	-------	-------	-------	-------	-------

	$\bar{x}/\bar{c}_w$	$\bar{x}/\bar{c}_w$	$\bar{x}/\bar{c}_w$
1	-1.623	-0.2117	-0.3455
2	-	-	-0.4846

.163	.1640	
.177		-.0862

.229	-.0213
.245	-.0146

.250	-.1113	-.1322	.5350	.1320
.274	-.0610			

0.352	0.1049	0.009
0.390	-0.0292	0.005

.499
- .0224
.472

.497	-.0138	
.550	.0608	-.0067

1.0000  
-.353  
.600  
--1989  
-.1645  
--1989

100	- .3630
100	- .3290

-.4698  
-.4219 -.3690

.775	-.4975	-.4575
879		-.6783

634	- .6849
635	- .7325
636	- .6334
637	- .5804

0.57	-0.0046
0.65	-0.7037

902	- .6764	- .5037	
903		- .5764	- .7519
			0000

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1000

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DEPENDENT VARIABLE CPE	INDEPENDENT VARIABLE CPE
1.0	1.0
2.0	2.0
3.0	3.0
4.0	4.0
5.0	5.0
6.0	6.0
7.0	7.0
8.0	8.0
9.0	9.0
10.0	10.0
11.0	11.0
12.0	12.0
13.0	13.0
14.0	14.0
15.0	15.0
16.0	16.0
17.0	17.0
18.0	18.0
19.0	19.0
20.0	20.0
21.0	21.0
22.0	22.0
23.0	23.0
24.0	24.0
25.0	25.0
26.0	26.0
27.0	27.0
28.0	28.0
29.0	29.0
30.0	30.0
31.0	31.0
32.0	32.0
33.0	33.0
34.0	34.0
35.0	35.0
36.0	36.0
37.0	37.0
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43.0	43.0
44.0	44.0
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55.0	55.0
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65.0	65.0
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73.0	73.0
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83.0	83.0
84.0	84.0
85.0	85.0
86.0	86.0
87.0	87.0
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89.0	89.0
90.0	90.0
91.0	91.0
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93.0	93.0
94.0	94.0
95.0	95.0
96.0	96.0
97.0	97.0
98.0	98.0
99.0	99.0
100.0	100.0

[illegible]

.000	-.3729	-.0125	.3000	.3678	.2509	.1566	.196
.000				-.4975	-.8754	-.9129	-.609

0.339	0.0624
0.40	0.0963

0.48	- .0220	- .2891	- .7926	- .8526	- .6146
0.50		- .2915			



RB1047)

LOWER WING

ABSTRACTED PRESSURE DATA - 0034A - VOL. 3

SECTION 716 (AIR COMPRESSORS)

ALPHA 2 2 - 0.010 SERIA 40 E 4.100

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y84 2890 364 4270 5340 6750 7200 7870

X/CW							
.080							
.085							
.086							
.094							
.150							
.163							
.177							
.229							
.246							
.250							
.274							
.362							
.390							
.400							
.432							
.437							
.550							
.565							
.600							
.650							
.700							
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.955							
.965							

-.2418

.0492

.0840

-.1771

.1017

.0859

-.0490

-.0400

-.0788

-.0588

.0467

-.0744

-.0428

-.1000

-.0324

-.0617

-.1906

-.2374

-.3784

-.433

-.5418

-.6300

-.6058

-.7655

-.6780

-.6134

-.4563

-.4075

-.4277

-.3446

-.6181

.0000

-.4370

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RB1L47)

LOWER WING

ARC11-716 1A14 01-712+512H25

ALPHA(2) = -3.920 BETA(5) = 0.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.3942	-.0627	.1066	.3301	.1662	.0611	.1162
.020				-.4376	-.8369	-.6762	-.5550
.030			.0097				
.040		-.0154					
.048			-.0314				
.050	-.3670			-.2262	-.6621	-.6638	-.5636
.060				-.1009			
.065			-.0412				
.086		.0140					
.094	-.2077						
.150				-.1117	-.1459	-.5526	-.5495
.163		.0411					
.177			-.0468				
.229	-.1092						
.246		-.0506		-.0019	-.1291	-.0390	-.4912
.800			-.0500				
.274							
.362	-.0154						
.390		-.0362		-.0796	-.0906		-.1026
.400			-.0733				
.402				-.1727	-.1747		
.487	-.0560						
.550			-.1059				-.2082
.565						-.2094	
.600							
.650							
.700	-.1736			-.4197			
.725							
.750			-.3023		-.4768	-.4234	
.760				-.4968	-.5231		
.775			-.5125				
.808							
.834	-.3464			-.6194	-.6386	-.6380	
.850			-.5591				
.857							
.865	-.3930			-.5315			-.6462
.900	-.4500				-.3459		
.975			-.5800				
.950				-.2877			.9000
.955			-.3053				
.965	-.4213						



ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 08-11-2010 BY 60322  
CST/SP/STP

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OF POOR QUALITY

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L47)

LOWER WING

ARC11-716 1A14 C +112+512N25

ALPHA( 3 ) = .000 BETAD ( 2 ) = -4.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2090	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1317	-.0302	.4812	.6469	.6076	.5731	.6044
.020				-.0135	-.0970	-.1017	-.0868
.030			.2792				
.040		.1684					
.048			.1636				
.050	-.1503			.0080	-.0445	-.0371	-.0597
.080			.1262	.0142			
.085		.2369					
.086							
.094	-.2742			.0787	.1250	.1172	.0747
.150		.2806					
.163			.0886				
.177							
.229	.0076						
.246		.1025		.1475	.1506	.1412	.0328
.250			.1282				
.274							
.352	.2049			.2222	.1676		.0277
.390		.1550					
.400			.1989				
.402							
.497	.1181			.1411	.0910		
.550			.1608				-.1477
.565					-.1362		
.600							
.650							
.700	.1572			-.2973	-.2912		
.725							
.750							
.760				-.3825			
.775				-.4337	-.4086		
.808			.6102				
.834	-.6198						
.850				-.6774	-.4960	-.5419	
.857			-.7507				
.865	-.6841						
.900	-.6617			-.8009			-.5717
.905				-.5586	-.7987		
.950				-.5047		.0000	
.955				-.4945			
.985	-.4673						





(RBIL47)

LOWER WING

TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512N25

ALPHA( 3 ) = .060 BETA( 4 ) = 4.100

SECTION ( 1 ) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2990	.3640	.4270	.5340	.6730 .7800 .8870
X/CW					
.000	-.4117	-.0706	.3065	.4763	.4047 .3749 .4376
.020				-.1007	-.3040 -.3258 -.2945
.030			.1909		
.040		.0425			
.045			.0808		
.050	-.3169			-.0712	-.1670 -.1935 -.1900
.052			.0525	-.0603	
.065		.1147			
.074	-.2075			-.0302	-.0147 -.0003 -.0433
.143		.1635			
.177			.0162		
.228	-.0142	.0300		.0123	.0241 .0460 -.0521
.246			.0209		
.274					
.362	.0928	.0246		.0568	.0542 -.0530
.393			.0258		
.402					
.497	.0226			-.0206	-.0558
.550			-.0595		
.600					-.2296
.650				-.2431	
.700	-.0861			-.3870	
.725			-.4331		
.750				-.4575	-.4361
.760		-.5379			
.775			-.5530	-.5182	
.808		-.6870			
.834	-.4032				
.850			-.7691	-.6895	-.6289
.857		-.6045			
.865	-.4164				
.900	-.4725		-.4573		-.6333
.905		-.6001	-.4040		
.950			-.4275		.0000
.955		-.3423			
.965	-.4607				



15811471

CASE 11, AN 73 TABULATED PRESSING DATA - 18144 - 18145

WATER WING

ANGL-716 1414 1415 1416 1417 1418

ANGLE 313 314 315 316 317 318

SECTION 11, WATER WING OF EXPONENT VARIABLE 10

1/8- .2390 .3640 .4270 .5340 .6130 .7800 .8870

2/8- .000

.000 -.6344 -.0980 .0365 .2946 .3425 .2919 .3425

.020 .020 -.0476 -.3185 -.3972 -.4417

.030 .030 .0902

.040 .040 -.0592

.050 .050 .0415

.060 -.4039 -.0036 -.1346 -.1970 -.3077

.080 .080 -.0039

.090 .090 .0352

.100 .100 .0111

.110 -.2599

.120 .120 .0082 -.0187 -.0819 -.1036

.130 .130 .0795

.140 .140 .0263

.150 .150 .0196

.160 .160 .0106 -.0272 -.0182 -.1244

.170 .170 .0206

.180 .180 .0176

.190 .190 -.0004 -.0173 -.0492 -.1102

.200 .200 .0125

.210 .210 -.1331 -.1799

.220 .220 -.1219

.230 .230 -.3095

.240 .240 -.4394

.250 .250 -.4462

.260 .260 -.4083 -.4890 -.4775

.270 .270 -.4621 -.5267

.280 .280 -.4430

.290 .290 -.5327

.300 .300 -.5814 -.6274 -.6501

.310 .310 -.5104

.320 .320 -.3720

.330 .330 -.4017

.340 .340 -.5466 -.3296 -.6833

.350 .350 -.3737

.360 .360 -.6694

.370 .370 -.2631

.380 .380 -.3869

.390 .390 .0000



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5

(R01L47)

LOWER WING

ARC11-716 TAIL 01-012-512425

ALPHA(4) 0 4.125 BETA(1) 0 -0.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Z/CW							
.000	-.0314	-.0839	.4927	.7200	.7105	.6631	.6333
.020				.3920	.3949	.4357	.4231
.030			.4872				
.040		.2386					
.048			.3706				
.050	-.0404			.3247	.3464	.3445	.3084
.080				.2930			
.085			.3209				
.095		.3403					
.094	-.0236			.2953	.3337	.3187	.2326
.150		.4093					
.163			.2793				
.177							
.229	.1045						
.245		.2612					
.250				.3030	.2900	.2744	.1629
.274			.2915				
.342	.3197						
.390		.2894					
.400			.3108	.3111	.2466		.1106
.497	.2648						
.550				.1856	.1044		
.565			.2138				
.600						-.0778	
.650				-.2585	-.0982		
.700	.2366			-.2594			
.725							
.750						-.3563	-.2961
.760			-.3438				
.775				-.3982	-.3554		
.808			-.5640				
.834	-.5790						
.850				-.6408	-.5512	-.4826	
.857			-.7145				
.865	-.6260						
.900	-.7681			.7820			-.5219
.907			-.8455		-.7598		
.950				-.4984		.0000	
.953			-.4969				
.965	-.4534						





DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RBL147)

LOWER WING

ARC11-716 IAI4 OL+T12+SI2N25

ALPHA(4) = 4.100 BETAD (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3640	.4270	.5340	.6730	.7810	.8870
X/CW							
.000	-.2720	-.1041	.3969	.6144	.5917	.5359	.5230
.020				.2076	.1690	.2343	.2631
.030			.3704				
.040		.1521					
.048			.2530				
.050	-.2037			.1690	.1656	.1833	.1796
.080				.1404			
.085			.2044				
.086		.2462					
.094	-.1698			.1554	.2082	.2055	.1455
.150		.3021					
.163			.1520				
.177							
.229	.0687						
.246		.1480					
.250				.1708	.1803	.1823	.0900
.274			.1581				
.362	.2037						
.390		.1559					
.400				.2005	.1626		.0287
.402			.1761				
.497	.1424						
.550				.1023	.0332		
.565			.0973				
.600							-.1638
.650							
.700	.0703						
.725				-.3331	-.3184		
.750							
.760							
.775							
.808							
.834	-.6534						
.850							
.857							
.865	-.6844						
.900	-.6566						
.905							
.950							
.955							
.965	-.4317						



DATE 11 MAY 73 TABULATED PRESSURE DATA - 1A14A - 1A1.5

(BRIL47)

LOWER WING

ARC10-756 1110 071124512425

ALTIMETER 41.5 41030 GEAR (A) 4 4.150

SECTION 1 (LOWER WING)

DEPENDENT VARIABLE CP

7/94	.0340	.0360	.0420	.0540	.0620	.0760	.0970
1/CM							
.000	-.4497	-.1740	.2339	.5084	.5063	.4635	.4794
.020				.1205	.0732	.1498	.1848
.030			.2505				
.040		.0206					
.048			.1647				
.050	-.2625			.0975	.0831	.1056	.1135
.080				.0811			
.085							
.096		.1334					
.094	-.2032						
.150				.0875	.1397	.1446	.0949
.153		.1981					
.177			.0994				
.229	.0286						
.246		.0916					
.250				.0941	.1099	.1327	.0456
.274			.0914				
.362	.1313						
.390		.0818					
.400				.1014	.0988		-.0130
.402			.0786				
.437	.0740			.0966	-.0227		
.550			-.0320				
.565							
.600							
.650							
.700	-.0607						
.725							
.750							
.760							
.775							
.808							
.814	-.4208						
.850							
.857							
.865	-.4374						
.900	-.4667						
.935							
.950							
.953							
.965	-.3498						

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(RBL47)

LOWER WING

TABULATED PRESSURE DATA - IAL14 - VOL. 5  
ARC11-715 IAL14 01+112+312N25

DATE 11 JAN 75

ALPHA(4) = 4.000 BE(4) (3) = 0.230

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7803	.8870
X/CW							
.000	-.7655	-.1117	.0513	.2156	.4402	.4165	.4436
.020				.1181	.0118	.0422	.0957
.030			.0982				
.040		-.0587					
.048			.0820				
.050	-.3783		.1021	.0365	.0291	.0412	
.080			.0883				
.085		.0319					
.094	-.2585			.0856	.0875	.0835	.0387
.150		.0989					
.163			.0836				
.177							
.229	-.0301	.0608					
.246				.0706	.0504	.0708	-.0061
.250		.0717					
.274							
.362	.0703	.0554					
.390			.0425	.0378	.0097		-.0505
.400							
.402							
.497	.0463			-.0845	-.1191		
.550			-.0889				
.565							
.600							
.650							
.700	-.0919						
.725				-.4255	-.4036		
.750							
.760			-.4244				
.775				-.4052	-.5209		
.808			-.4767				
.834	-.3741						
.850				-.5914	-.6604	-.6327	
.857			-.5217				
.865	-.3871						
.900	-.4250			-.4261	-.3448		-.6621
.905			-.4545				
.950				-.2427		.0000	
.953			-.2340				
.965	-.3190						



(REF. 47)

LOWER WING

TABULATED PRESSURE DATA - TABLE - VOL. 5

SECTION 710 DATA DISTANCE INCHES

ALPHA: 51.2 A/CW: 0.040 REYNOLDS: 1.0E+06

DEPENDENT VARIABLE: CP

SECTION (LOWER WING)

Y/BW .2990 .3640 .4270 .5140 .6730 .7800 .8870

X/CW

.000	.0091	-.1624	.4381	.7371	.6904	.5763	.5252
.020			.5778	.5562	.5983	.6324	.6133
.030		.2454					
.040			.4518				
.048				.4435	.5024	.5158	.4757
.050	.0100			.3781			
.080			.3862				
.085		.3701					
.094	.0049			.3458	.4185	.4165	.3515
.150		.4360					
.163			.2992				
.177							
.229	.1590	.2819					
.245				.3166	.3345	.3362	.2474
.259			.2881				
.274							
.352	.3249	.2774		.2890	.0529		.1531
.390							
.400				.1398	.0969		
.402			.2818				
.437	.2609			.1534			
.550							
.565							
.600							
.650							
.700	.1782						
.723							
.750							
.760							
.775							
.808							
.834	-.5891						
.850							
.857							
.865							
.900	-.7664						
.905							
.950							
.953							
.965							

-.0499

-.0843

-.2628

-.2788

-.3464

-.3464

-.3537

-.4047

-.4047

-.5490

-.6004

-.6004

-.6786

-.6598

-.6598

-.7700

-.7700

-.6747

-.5919

-.4767







DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L47)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALFMA2 (S) = 0.020 BETA2 (A) = 4.170

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.4702	-.2252	.1004	.4809	.5304	.4556	.3810
.020				.3014	.3228	.4232	.4368
.030			.2632				
.040		-.0120					
.048			.2261	.2241	.2746	.3173	.3245
.050	.2101			.1879			
.060			.2097				
.085		.1315					
.074	-.1590			.1674	.2511	.2672	.2220
.140		.2205	.1720				
.165				.1523	.1852	.2193	.1284
.177		.1472	.1486				
.229	.0504						
.246							
.250							
.274							
.362	.1621	.1136					
.390			.1158	.1294	.1373		.0459
.409				.0110	.0000		
.402			-.515				-.1638
.497	.1165				-.1813		
.550					-.3430		
.565							
.600							
.650							
.700	-.0374			-.3854			
.725							
.770							
.780							
.775							
.808							
.834	-.4321						
.850							
.857							
.865	-.4254						
.900	-.4595						
.915							
.950							
.955							
.965							



1961.47

TABULARY OF THE DATA

ASSEMBLY OF THE DATA

INNER V

SECTION 1: 0.020 0.020 0.020 0.020 0.020

SECTION 2: 0.020 0.020 0.020 0.020 0.020

SECTION 3: 0.020 0.020 0.020 0.020 0.020

SECTION 4: 0.020 0.020 0.020 0.020 0.020

SECTION 5: 0.020 0.020 0.020 0.020 0.020

SECTION 6: 0.020 0.020 0.020 0.020 0.020

SECTION 7: 0.020 0.020 0.020 0.020 0.020

SECTION 8: 0.020 0.020 0.020 0.020 0.020

SECTION 9: 0.020 0.020 0.020 0.020 0.020

SECTION 10: 0.020 0.020 0.020 0.020 0.020

SECTION 11: 0.020 0.020 0.020 0.020 0.020

SECTION 12: 0.020 0.020 0.020 0.020 0.020

SECTION 13: 0.020 0.020 0.020 0.020 0.020

SECTION 14: 0.020 0.020 0.020 0.020 0.020

SECTION 15: 0.020 0.020 0.020 0.020 0.020

SECTION 16: 0.020 0.020 0.020 0.020 0.020

SECTION 17: 0.020 0.020 0.020 0.020 0.020

SECTION 18: 0.020 0.020 0.020 0.020 0.020

SECTION 19: 0.020 0.020 0.020 0.020 0.020

SECTION 20: 0.020 0.020 0.020 0.020 0.020

SECTION 21: 0.020 0.020 0.020 0.020 0.020

SECTION 22: 0.020 0.020 0.020 0.020 0.020

SECTION 23: 0.020 0.020 0.020 0.020 0.020

SECTION 24: 0.020 0.020 0.020 0.020 0.020

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(RB1L48) ( 15 FEB 74 )

LOWER WING

ARC11-716 IA14 01+112+S12423

## REFERENCE DATA

SREF = 2.4210 SQ.FT.    XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES    YMRP = .0000 INCHES  
 BRP = 38.7090 INCHES    ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

ALPHAD(1) = -7.930    BETAD(1) = -0.080

## PARAMETRIC DATA

MACH = 1.100    ELEVON = .000  
 RUDDER = .000    SPDRK = .000

## DEPENDENT VARIABLE CP

SECTION (1) LOWER WING	Y/BW	X/CW	CP
	.2990	.3640	.4270
	.5340	.6730	.7800
	.8870		
	.000	-.1111	-.0495
	.020	.4303	.5374
	.030	.4505	.3740
	.040	.4090	.4090
	.050	-.6708	-.7977
	.060	-.8399	-.7903
	.070	-.0578	
	.080	-.0139	
	.090	-.0824	
	.100	-.2232	
	.110	-.6104	-.8141
	.120	-.8778	-.8897
	.130	-.2994	
	.140	-.0472	
	.150	.1349	
	.160	-.1853	
	.170	.2012	
	.180	-.1347	
	.190	-.1313	
	.200	.0206	
	.210	-.1169	-.2562
	.220	-.6665	-.7807
	.230	-.0852	
	.240	.1777	
	.250	-.0612	
	.260	-.1580	.0302
	.270	-.2848	
	.280	-.1281	
	.290	.1708	.0766
	.300	.1896	
	.310		-.0754
	.320		-.0690
	.330		-.1983
	.340		-.2257
	.350		-.2589
	.360		-.1676
	.370		
	.380		-.3129
	.390		-.3596
	.400		-.3213
	.410		-.5416
	.420		
	.430		-.5907
	.440		-.4928
	.450		-.4140
	.460		
	.470		-.6846
	.480		
	.490		-.5907
	.500		-.4928
	.510		-.4140
	.520		
	.530		-.7093
	.540		-.6740
	.550		
	.560		-.8009
	.570		
	.580		-.4190
	.590		
	.600		

(R11148)

DATE 15 JAN 75 TABULATED RESULTS DATA DATA - YR 1.5  
 SECTION 116 DATA 117121512125 LOWER WING

ALPHA (1) = -7.930 BETA (1) = -6.080

SECTION 116 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.930							.0000
.933							
.965							

Y/CW  
 .930  
 .933  
 .965

ALPHA (1) = -7.930 BETA (2) = -4.020

SECTION 116 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.930							.2877
.933							
.965							

Y/CW  
 .930  
 .933  
 .965

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.930							.2877
.933							
.965							

Y/CW  
 .930  
 .933  
 .965

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.930							.2877
.933							
.965							

Y/CW  
 .930  
 .933  
 .965

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.930							.2877
.933							
.965							

Y/CW  
 .930  
 .933  
 .965

Y/B	.2990	.3640	.4270	.5340	.6730	.7800	.8870
Y/CW							
.930							.2877
.933							
.965							

Y/CW  
 .930  
 .933  
 .965

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RSL:48)

LOWER WING

ARC11-716 1A14 01+112+312+25

ALPHA (1) = -7.950 BETA (2) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/8W .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.057 -.6952  
 .965 -.6058  
 .930 -.7261  
 .975 -.7958  
 .950 -.8097  
 .955 -.8315  
 .955 -.4950

ALPHA (1) = -7.920 BETA (3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/8W .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.2476 -.1048 .2814 .3505 .2239 .1207 .1458  
 .020 .020 -.7754 -.9111 -.9458 -.9195  
 .030 .030 -.0955  
 .040 .040 -.1190  
 .050 .050 -.7185 -.8903 -.9509 -.8088  
 .060 .060 -.3462  
 .065 .065 -.1064  
 .069 .069

.094 -.2841  
 .150 .150  
 .165 .165  
 .177 .177  
 .229 .229  
 .246 .246  
 .290 .290  
 .274 .274  
 .362 .362  
 .390 .390  
 .400 .400  
 .432 .432  
 .497 .497  
 .550 .550  
 .565 .565  
 .607 .607  
 .630 .630  
 .710 .710  
 .725 .725  
 .750 .750  
 .760 .760

.1222  
 -.1756  
 -.0606  
 -.1641  
 -.1144  
 -.1350  
 -.1198  
 -.1126  
 -.3984  
 -.3127  
 -.3196  
 -.4048

-.2968 -.5316 -.8430 -.8596

-.2591 -.3907 -.6048 -.142

-.1651 -.2250 -.5421

.0675 .0277

-.2705

-.3343

-.3127

-.3196

-.4048



(RBL40)

TABULATED PRESSURE DATA - JAL4A - VLS - 3

APC11-716 JAL4 J1+712+12+25 LOWER WING

ALPHA (1) = -7.920 BETA (3) = 040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CM  
 .775  
 .008  
 .034  
 .056  
 .057  
 .065  
 .900  
 .905  
 .950  
 .953  
 .955  
 .4432  
 -.5941  
 -.6124  
 -.6674  
 -.5651  
 -.4629  
 -.7305  
 -.7708  
 -.5110  
 -.7369  
 -.4091  
 -.5093  
 .0000  
 -.4745  
 .0000

ALPHA (1) = -7.930 BETA (4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CM  
 .900  
 .920  
 .930  
 .940  
 .946  
 .950  
 .950  
 .985  
 .986  
 .994  
 .150  
 .163  
 .177  
 .220  
 .246  
 .250  
 .274  
 .362  
 .390  
 .400  
 .432  
 .497  
 .550  
 .563  
 .600  
 .610  
 .2615  
 -.0634  
 .2244  
 .2626  
 .1129  
 .0040  
 .0190  
 -.7799  
 -.8799  
 -.7916  
 -.7393  
 -.0125  
 -.1162  
 -.6503  
 -.8702  
 -.8014  
 -.7413  
 -.1179  
 -.0317  
 -.2919  
 -.6092  
 -.7987  
 -.7731  
 -.1366  
 -.2119  
 -.2998  
 -.7637  
 -.7537  
 -.1472  
 -.1176  
 -.1540  
 -.2050  
 -.6836  
 -.1464  
 -.1353  
 -.0197  
 -.1755  
 -.5812  
 -.1286

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A111 - VOL. 3

(RBL48)

LOWER WING

ARC11-716 1A14 01-12-512M25

ALPHA (1) = -7.930 BETAD (4) = 4.090

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700 -.1753  
 .725 -.3258  
 .750 -.3791  
 .760 -.5052  
 .775 -.5026  
 .800 -.4442  
 .810 -.6709  
 .834 -.4003  
 .840 -.7121  
 .857 -.6014  
 .865 -.4956  
 .870 -.3660  
 .870 -.5213  
 .871 -.4375  
 .871 -.6315  
 .871 -.4341  
 .871 -.4976  
 .871 -.0000  
 .871 -.3794  
 .871 -.3237

ALPHA (1) = -7.930 BETAD (5) = 8.230

SECTION 1 (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.700 -.1753  
 .725 -.3258  
 .750 -.3791  
 .760 -.5052  
 .775 -.5026  
 .800 -.4442  
 .810 -.6709  
 .834 -.4003  
 .840 -.7121  
 .857 -.6014  
 .865 -.4956  
 .870 -.3660  
 .870 -.5213  
 .871 -.4375  
 .871 -.6315  
 .871 -.4341  
 .871 -.4976  
 .871 -.0000  
 .871 -.3794  
 .871 -.3237



DATE 11 JAN 75 TABULATED PRESSURE DATA - TALLA - V.A. 2

LOWER WING

IN 48

ARC11-716 DATA 01+112+512+2

ALPHA 21 = -7.950 BETA 1 51 = 8.250

SECTION 11-LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Y/BW .2900 .3640 .4270 .5340 .6750 .7800 .8970

X/CW

.350 -.1971 -.1378  
 .565 -.2015  
 .600 -.2848  
 .650 -.2757  
 .700 -.4272  
 .725 -.4800  
 .750 -.4203 -.2284  
 .763 -.4034  
 .775 -.5213 -.5367  
 .800 -.4712  
 .834 -.5045 -.6320 -.5772  
 .853 -.5333  
 .865 -.5576  
 .900 -.7757  
 .935 -.5971 -.3699  
 .940 -.5290 .0000  
 .953 -.5610  
 .965 -.4721

ALPHA 21 = -3.940 BETA 1 51 = -0.110

SECTION 11-LOWER WING DEPENDENT VARIABLE C<sub>P</sub>

Y/BW .2900 .3640 .4270 .5340 .6750 .7800 .8970

X/CW

.000 -.0361 .0040 .5210 .6372 .5687 .5125 .5470  
 .020 .020  
 .030 .1543  
 .040 .0972  
 .050 .0705  
 .060 -.2287 -.5429 -.6663 -.4905  
 .080 -.1043  
 .084 .0627  
 .094 .2431  
 .100 -.2016  
 .110 .0310 -.0333 -.2113 -.1700  
 .115 .2685  
 .120 -.0439  
 .130 -.0740  
 .140 .0720  
 .150 -.0524 .1417 .1111 -.0613  
 .160 -.3157  
 .170 .2156

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DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5

ARC11-T16 1414 D1-T12+S12+25 LOWER WING

ALPHA ( 2 ) = -3.990 BETA ( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

	.2990	.3640	.4270	.5340	.6730	.8000	.8870
X/CW							
.246		.0233					
.250				-.1307	-.1876	.0608	-.2721
.274			-.0699				
.362	.1598						
.390		-.0473		.1610	.1715		.1585
.400			.0026				
.402							
.497	-.0171			.1658	.0901		
.530			.1726				
.565							
.600							
.650							
.700	.1356			-.2378	-.2205	-.0897	-.0676
.725							
.750							
.760			-.3212				
.775				-.3732	-.3347		
.808			-.5326				
.834	-.5511						
.850				-.6013	-.5143	-.4650	
.857			-.6707				
.865	-.5965						
.900	-.7183			-.7172			-.4885
.905			-.8014	-.7042			
.950				-.8011		.0000	
.953			-.5258				
.965	-.4876						

ALPHA ( 2 ) = -3.890 BETA ( 2 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/RW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1901	-.0380	.3813	.4634	.3627	.2852	.3359
.020				-.4805	-.7435	-.8039	-.7559
.030			.0869				
.040		.0352					
.048			-.0038				
.050	-.2418			-.2886	-.6957	-.8074	-.7443
.060				-.2583			
.085			-.0260				
.086		.1156					
.092	-.2889						

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAINA - VOL. 5

(RBIL48)

LOWER WING

ARC11-716 IAI4 01+112+512N25

ALPHA( 2 ) = -3.890 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.150 .1715 .177 -.0432 .246 .250 .274 .362 .390 .400 .402 .497 .550 .565 .600 .650 .700 .725 .750 .760 .775 .808 .834 .850 .857 .865 .900 .905 .950 .953 .955

-1.082 -.2329 -.4210 -.6197

.1715

-.0659

-.0184

-.1293 -.2042 -.1930 -.3233

-.0710

-.0332

-.0504 .1424 .1289

-.0538

.1187 .0639

-.1127

-.2832

-.4154 -.3711

-.6397 -.5469 -.4885

-.7519 -.7290 .0000

-.5039 -.4583

-.3804

-.5860

-.7112

-.6195

-.6972

.905

.950

.953

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ALPHA( 2 ) = -3.890 BETA( 4 ) = 4.130

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.3150 -.0392 .3044 .3888 .2770 .1947 .2298

.020 .030 .030 .0820 .0365 .0010

.048 .050

.050

.050

.050

.050

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.050

.050





DATE 11 JAN 74 TABULATED PRESSURE DATA - 1A14A - VOL. 5 (RB1L48)

LOWER WING

ARC11-716 1A14 01+112+312125

ALPHA(2) = -3.890 BETA(5) = 0.190

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/B4 .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4709	-.0617	.1083	.3355	.1727	.0700	.1072
.020				-.4163	-.7946	-.6832	-.5394
.030			.9029				
.040		-.0178					
.048			-.0445				
.050	-.3304			-.1114	-.6537	-.6781	-.5491
.060							
.065			-.0565				
.084		.0106					
.094	-.2285						
.150				-.1239	-.1685	-.5371	-.5490
.163		.0403					
.177			-.0580				
.223	-.0960						
.246		-.0364		-.0884	-.1384	-.0779	-.4957
.250							
.274			-.0617				
.362	-.0096						
.390		-.0564		-.0785	-.0913		-.0416
.400							
.402			-.0717				
.497	-.0578						
.550				-.1538	-.1242		
.565			-.1640				-.1645
.600					-.2397		
.650				-.4262	-.3886		
.700	-.1543					-.4295	-.3733
.725							
.750			-.3590				
.760				-.4615	-.4908		
.774			-.4473				
.808							
.834	-.2875			-.5600	-.6053	-.5767	
.850							
.857			-.5092				
.865							-.5713
.900	-.4150			-.6073		-.4250	
.905			-.5803				.0000
.950				-.3286			
.953			-.3630				
.965	-.4710						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(881C48)

LOWER WING

ARC11-716 IATA 11124512425

ALPHA(3) = -.310 BETA(1) = -0.140

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 .0110 -.0249 .3399 .7123 .6872 .6639 .6975

.020 .0308 -.0366 -.0494 -.0306

.030 .3165

.040 .0841

.048 .1977

.050 .0381 .0094 .0309 .0088

.054 .0434

.058 .1649

.065 .0438

.074 -.1852

.100 .0310 .1253 .615 .1463

.104 .0355

.107 .1233

.129 -.0126

.1429

.1921

.200 .02545

.1987

.2039 .2451 .1097

.2831

.1643

.2231 .1324

.2433

.0555

.0625

.1974

.11332

.2753

.13552 .12997

.1323

.1568 .1050 .4423

.6347

.1636

.16864 .0754

.1697

.17124 .0000

.181

.1833

.1873

.1865

.18792



(R01L48)

UNCLASSIFIED

LOWER WING

ARC11-716 TAL4 01+112+512+25

ALPHA(3) = -.340 BETA(3) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/BW .2980 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.7055 -.0870 .4110 .5451 .4741 .4221 .5218

.020 .020 .020 .2206 .1140 .13576 .14360 .12819

.030 .040 .0559 .1037 .11043 .12410 .13250 .11731

.040 .050 .0662 .10670 .10650 .10650 .10650 .10650

.050 .060 .0670 .10670 .10670 .10670 .10670 .10670

.060 .070 .0770 .10670 .10670 .10670 .10670 .10670

.070 .080 .0870 .10670 .10670 .10670 .10670 .10670

.080 .090 .0970 .10670 .10670 .10670 .10670 .10670

.090 .100 .1070 .10670 .10670 .10670 .10670 .10670

.100 .110 .1170 .10670 .10670 .10670 .10670 .10670

.110 .120 .1270 .10670 .10670 .10670 .10670 .10670

.120 .130 .1370 .10670 .10670 .10670 .10670 .10670

.130 .140 .1470 .10670 .10670 .10670 .10670 .10670

.140 .150 .1570 .10670 .10670 .10670 .10670 .10670

.150 .160 .1670 .10670 .10670 .10670 .10670 .10670

.160 .170 .1770 .10670 .10670 .10670 .10670 .10670

.170 .180 .1870 .10670 .10670 .10670 .10670 .10670

.180 .190 .1970 .10670 .10670 .10670 .10670 .10670

.190 .200 .2070 .10670 .10670 .10670 .10670 .10670

.200 .210 .2170 .10670 .10670 .10670 .10670 .10670

.210 .220 .2270 .10670 .10670 .10670 .10670 .10670

.220 .230 .2370 .10670 .10670 .10670 .10670 .10670

.230 .240 .2470 .10670 .10670 .10670 .10670 .10670

.240 .250 .2570 .10670 .10670 .10670 .10670 .10670

.250 .260 .2670 .10670 .10670 .10670 .10670 .10670

.260 .270 .2770 .10670 .10670 .10670 .10670 .10670

.270 .280 .2870 .10670 .10670 .10670 .10670 .10670

.280 .290 .2970 .10670 .10670 .10670 .10670 .10670

.290 .300 .3070 .10670 .10670 .10670 .10670 .10670

.300 .310 .3170 .10670 .10670 .10670 .10670 .10670

.310 .320 .3270 .10670 .10670 .10670 .10670 .10670

.320 .330 .3370 .10670 .10670 .10670 .10670 .10670

.330 .340 .3470 .10670 .10670 .10670 .10670 .10670

.340 .350 .3570 .10670 .10670 .10670 .10670 .10670

.350 .360 .3670 .10670 .10670 .10670 .10670 .10670

.360 .370 .3770 .10670 .10670 .10670 .10670 .10670

.370 .380 .3870 .10670 .10670 .10670 .10670 .10670

.380 .390 .3970 .10670 .10670 .10670 .10670 .10670

.390 .400 .4070 .10670 .10670 .10670 .10670 .10670

.400 .410 .4170 .10670 .10670 .10670 .10670 .10670

.410 .420 .4270 .10670 .10670 .10670 .10670 .10670

.420 .430 .4370 .10670 .10670 .10670 .10670 .10670

.430 .440 .4470 .10670 .10670 .10670 .10670 .10670

.440 .450 .4570 .10670 .10670 .10670 .10670 .10670

.450 .460 .4670 .10670 .10670 .10670 .10670 .10670

.460 .470 .4770 .10670 .10670 .10670 .10670 .10670

.470 .480 .4870 .10670 .10670 .10670 .10670 .10670

.480 .490 .4970 .10670 .10670 .10670 .10670 .10670

.490 .500 .5070 .10670 .10670 .10670 .10670 .10670

.500 .510 .5170 .10670 .10670 .10670 .10670 .10670

.510 .520 .5270 .10670 .10670 .10670 .10670 .10670

.520 .530 .5370 .10670 .10670 .10670 .10670 .10670

.530 .540 .5470 .10670 .10670 .10670 .10670 .10670

.540 .550 .5570 .10670 .10670 .10670 .10670 .10670



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 14144 - VOL. 3  
 ARC11-716 1414 01\*112\*512N25  
 LOWER WING  
 (R81L48)

ALPHA (3) = -.340 BETA (4) = 4.110

SECTION 1 LOWER WING DEPENDENT VARIABLE CR

Y/Z	.2990	.3640	.4270	.4940	.5630	.6300	.6970
3764							
.320	-.3468	-.1036	.3019	.4942	.4049	.3345	.3904
.320				-.0917	-.3709	-.4706	-.3754
.331			.1925				
.343		.0118					
.348			.0991				
.353	-.2707			-.0650	-.2432	-.3056	-.2448
.343				-.0644			
.345			.0621				
.345		.0937					
.341	-.2177						
.353		.1565		-.0465	-.0635	-.0564	-.0146
.377		.0224					
.229	-.0432						
.246		.0183					
.250			.0125	.0121	-.0059	.1153	.0233
.274							
.362	.0765			.0710	.1121		.0020
.330		.0210					
.402		.0194					
.497	.0170			.0292	-.0015		
.550			-.0314				
.565							
.603							
.643							
.707	-.0651						
.725							
.730							
.763							
.775							
.808							
.834	-.4606						
.830							
.847							
.865	-.4064						
.900	-.4599						
.905							
.937							
.933							
.965							



(481748)

2014. 03.07

ARC11-716 1A14 0107120512025

$$A(MA(3)) = -.349 \quad BFA(3) = 8.109$$

DEPENDENT VARIABLE (P) 3761514

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
4/CM	.030	-.0787	.1015	.3127	.3177	.2562	.3394
.020	-.5847		.0693	-.1090	-.4052	-.4462	-.4832
.030		-.0436					
.040			.0298				
.050	-.3902			-.0354	-.1909	-.1823	-.3467
.060				-.0203			
.075			.0217				
.085		.0102					
.094	-.2959						
.100				.0012	-.0283	-.0357	-.0946
.150		.0626					
.165			.0157				
.177							
.229	-.0770	-.0010					
.246							
.250				.0050	.0071	-.0107	-.0838
.274			.0106				
.362	.0221						
.390		.0089					
.430				-.0042	-.0226		-.0651
.432			-.0034				
.447	-.0041						
.550				-.1070	-.1322		
.565							
.600			-.1076				
.650						-.2570	-.2253
.700	-.1057			-.3914			
.725			-.4256				
.750							
.767			-.4936				
.775				-.5090	-.4893		
.808			-.4793				
.834	-.3626						
.850				-.5336	-.6143	-.5841	
.877			-.4744				
.894	-.3455						
.900	-.5312			-.5454	-.3793		-.6035
.924			-.5424				
.950				-.2999			
.953			-.3337				.0000
.983							
.984	-.4547						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - 120.1 5  
 ARC11-716 1A14 01+112+512+25 LOWER WING (RBL40)

ALPHA(4) = 4.170 BETA(1) = -0.250

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2500	.3600	.4270	.5340	.6730	.7800	.8870
Y/Cu							
.000	.0182	-.0678	.5097	.7555	.7325	.6897	.6693
.020				.3886	.5970	.4502	.4584
.030			.4839				
.040							
.048			.3615				
.050	.3258			.3228	.3566	.3708	.3453
.060			.2959				
.065			.3190				
.066		.3375					
.070	-.1737			.3071	.3595	.3518	.2909
.075		.363					
.077			.2839				
.079	.0920						
.080		.2582		.3257	.3256	.3171	.2170
.081			.3059				
.084	.3171						
.085		.3028		.3467	.2935		.1630
.090			.3402				
.092			.2603				
.097	.2631			.2184	.1597		
.100							
.105							
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DATE 11 JAN 75  
 TABULATED PRESSURE DATA - IATA - V2.1.9  
 (RBL48)

ALPHA (4) = 4.160 BETA (2) = -4.050  
 ARC11-716 IATA 01-11-81-2-25

LOWER WING

SECTION 1: LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2890	.3840	.4270	.5340	.6730	.7800	.8870
Z/CW							
.000	-.0695	-.1514	.4504	.6875	.5658	.6214	.6105
.020				.2768	.2505	.148	.3530
.030			.4252				
.040		.0566					
.048			.3003				
.050	-.0462			.2216	.2461	.2704	.2610
.050				.1965			
.085			.2493				
.086		.2327					
.094	-.1617			.2165	.2805	.2827	.2287
.150		.3480					
.163			.1977				
.177							
.229	.0227						
.246		.1868		.2455	.2600	.2617	.1713
.250			.2207				
.274							
.312	.2511	.2159		.2897	.2453		.1147
.343							
.400			.2672				
.432				.1953	.1198		
.437	.1926		.2061				
.450							
.465							
.600							
.653							
.703	.2028						
.725				-.2205	-.2161		
.740							
.763			-.3023				
.775				-.3574	-.3190		
.808			-.5069				
.834	-.5878						
.850				-.5804	-.5019	-.4682	
.857			-.6329				
.855	-.5750						
.933	-.7722			-.6990			-.4955
.935			-.7807	-.6950			
.947				-.7751			.0370
.945			-.5397				
.945	-.4680						

DATE 11 JAN 75

(97-154)

2011 11 11

ABC11-716 1A14 51-712-512429

AMERICAN ( ) = 4.175 85740 ( ) = .030

SECRET : 11-11-66

DEPENDENT VARIABLE C.F.

	.6732	.7933	.8879
1/100	.3640	.4279	.5340
	.2993		

10/10

100	-.2040	-.2134	.1095	.6069	.5080	.5490	.5521
200				.1969	.1466	.2357	.2795
300			.0441				
400							
500			.2443				
600	-.1500			.1519	.1521	.1904	.2113
700				.1223			
800			.1914				
900			.1992				
1000	-.1505			.1305	.2105	.2315	.1055
1100		.2332					
1200			.1370				
1300	-.3070						
1400		.1511					
1500			.1540	.1760	.2059	.2223	.1337
1600	.1332						
1700		.1499		.2271	.2046		.0709
1800			.1909				
1900	.1309			.1492	.0870		
2000			.1411				
2100							
2200	.1026			-.2626	-.2495	-.1049	-.1030
2300							
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3000							
3100							
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DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5

(481,48)

ARC11-716 TAIL D1+12+512+25

LOWER WING

ALPHA 40 X 4.175 DELTA 40 X 4.130

SECTION 11 LOWER WING DEPENDENT VARIABLE C3

WING	2890	3640	4270	5340	6750	7800	8870
Z/CW							
.000	-.3913	-.2600	.2316	.5362	.5235	.4884	.5915
.020				.1577	.0991	.1669	.2177
.030			.2396				
.040		-.0283					
.060			.1819				
.080	-.2383			.1205	.0961	.1252	.1522
.090				.0901			
.095			.1461				
.100		.1126					
.104	-.1789			.0972	.1561	.1766	.1407
.115		.1989					
.117			.1102				
.123	-.0087						
.146		.0346		.1044	.1399	.1734	.0946
.150			.0319				
.152	.1281			.1301	.1456		.0415
.153		.0327					
.162			.0971				
.167	.0858			.0541	.0348		
.169			.0112				
.170						-.1411	
.173	-.0283				-.2346		
.175				-.3331			
.180					-.3594	-.3335	
.183			-.4361				
.185			-.4328	-.4387			
.186			-.6229				
.188	-.4423						
.190				-.6638	-.5793	-.5287	
.191							
.197			-.6760				
.198	-.4222						
.199	-.4379			-.4362			-.5570
.200			-.4660	-.5283			
.201				-.919			.0700
.203			-.3370				
.205	-.3717						

(RBL48)

LOWER WING

ALPHA( 4) = 4.160 BETA( 5) = 0.240		ARC11-716 IA14 OL+112+512N25	
SECTION ( 1) LOWER WING		DEPENDENT VARIABLE CP	
X/CW	Y/W		
.000	-.7134	-.1293	.0533
.020		.2252	.4313
.030		.1088	.0300
.040		.1030	
.048		-.0614	
.050	-.3758	.0837	
.080		.1016	.0494
.095		.0929	.0956
.095		.0837	
.095		.0293	
.094	-.2734	.0800	.1082
.150		.1173	.0888
.163		.0975	
.177		.0817	
.229	-.0406		
.246		.0532	
.250		.0819	.0816
.274		.1112	.0412
.362	.0684	.0775	
.390		.0627	
.400		.0616	.0490
.402		.0571	-.0037
.497	.0531		
.550		-.0436	-.0717
.565		-.0573	
.600			-.1842
.650		-.2116	
.700	-.0652	-.3439	
.725		-.3033	-.4050
.750			-.3750
.760		-.4559	
.775		-.4826	-.4578
.808		-.4911	
.834	-.3550		
.850		-.5655	-.6042
.857		-.4757	-.5603
.865	-.5635		
.900	-.4096	-.4552	-.5897
.905		-.3582	
.950		-.4969	-.3582
.953		-.2589	.0000
.965	-.5521	-.2458	



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

PAGE 2333

(R811L40)

LOWER WING

ARC11-716 1A14 DIV 712+512H25

A' PHAO ( 5 ) = 8.170 BETA0 ( 1 ) = -4.040

SECTION 1 ( LOWER WING ) DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0645	-.2503	.3800	.6994	.6710	.5730	.5123
.020				.5001	.5297	.6039	.5873
.030			.5133				
.040		.0962					
.048			.3989				
.050	-.0242			.3918	.4550	.4831	.4623
.080				.3369			
.085			.3420				
.086		.2608					
.094	-.0005						
.150		.3877		.3124	.4007	.4061	.3487
.163			.2729				
.177							
.229	.0646						
.246		.2454					
.250				.3058	.3340	.3431	.2538
.274		.2759					
.362	.2029						
.390		.2627					
.400			.3032	.2751			.1667
.497	.2377		.2903				
.550				.1873	.1330		
.565		.1954					
.600							
.650							
.700	.2036						
.725							
.750							
.760							
.775							
.808							
.834	-.5153						
.850							
.857							
.865							
.900	-.6897						
.905							
.950							
.955							
.965							



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 5

(R01L48)

LOWER WING

ARC11-716 IAI14 01+112+312N25

ALPHAD (S) = 0.130 BETAD (S) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	.2890	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.2145	-.4576	.3218	.6241	.6135	.5277	.4692	
.020			.4405	.3746	.4217	.5243	.5313	
.040		-.0199						
.060	.348	.3282		.2971	.3653	.4113	.4133	
.080	-.1040			.2514				
.100		.2695						
.120	.056	.2294						
.140	-.0833			.2389	.3363	.3336	.3090	
.160	.150	.3370						
.180	.163		.2078					
.200	.177	.0233		.2396	.2811	.3069	.2155	
.220	.246	.1839						
.240	.253		.2121					
.260	.274	.2246	.1967	.2480	.2355		.1306	
.280	.362		.2244					
.300	.390			.1497	.1056			
.320	.402	.1712	.1407				-.0649	
.340	.497					-.0796		
.360	.550				-.2292			
.380	.565	.1140		-.2509		-.2965	-.2747	
.400	.600		-.3431					
.420	.630			-.3858	-.3325			
.440	.700		-.5323					
.460	.725							
.480	.750							
.500	.760							
.520	.775							
.540	.800							
.560	.834	-.5624						
.580	.850			-.5920	-.5081	-.4728		
.600	.857		-.6674					
.620	.865	-.5985						
.640	.900	-.6621		-.7050			-.5908	
.660	.905		-.4413		-.6917			
.680	.950			-.4373		.0000		
.700	.953		-.4005					
.720	.965	-.5940						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IALIA - VOL. 5

(881148)

LOWER WING

ARC11-716 IALIA DEPT12+512H25

ALPHA(D) = 0.120 BETA(D) = 4.180

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2890 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4199	-.3360	.0758	.4844	.3398	.4803	.4220
.020				.3270	.3501	.4482	.4635
.030			.2583				
.040		-.0646					
.046			.2297				
.050	-.1858			.2478	.2933	.3420	.3605
.060				.2074			
.065			.2148				
.086		.1083					
.094	-.1568			.1815	.2729	.2950	.2647
.150		.2146					
.163			.1802				
.177							
.229	.0074						
.246		.1512		.1692	.2113	.2506	.1744
.250			.1613				
.274	.1537						
.352		.1423					
.400			.1380	.1562	.1754		.0956
.402							
.497	.1247			.0496	.0494		
.550			.0222				
.565							
.600							
.650							
.700	-.0092						
.725				-.3226			
.750							
.760							
.775							
.808							
.834	-.4679						
.850							
.897							
.865	-.4258						
.900	-.4297						
.904							
.950							
.953							
.965	-.3139						

-.1051

- 1706

-.2767

-.3344

-.3112

-.3853

-.5128

-.5409

-.6030

-.3738

-.3344

-.3139

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(881L48)

LOWER WING

ARC11-716 IAI4 Q1+T12+S12+25

ALPHA( 5) = 0.110 BETA( 4) = 0.270

SECTION ( 1) LOWER WING

DEPENDENT VARIABLE CP

X/CW	Y/BW	.2993	.3640	.4270	.5340	.6730	.7800	.8870
.000	-.7402	-.1592	-.0308	.0280	.4101	.4430	.3937	
.020			.0903	.2019	.2852	.3813	.4226	
.030								
.040		-.0938						
.048			.1153					
.050	-.3361		.2014	.2437	.2845	.3183		
.060			.1908					
.095			.1448					
.096		.0340						
.094	-.2267							
.130			.1246	.1733	.2092	.2508	.2295	
.163			.1547					
.177								
.229	.0051		.1149	.1559	.1622	.2078	.1401	
.246								
.250			.1448					
.274	.1078		.1270					
.362				.1176	.1116		.0684	
.390			.1155					
.400				.0041	-.3103			
.402								
.497	.1065		-.0049					
.550								
.565								
.600								
.650								
.700	-.0257							
.725				-.3296	-.2971			
.750								
.760			-.4283					
.775				-.4459	-.4033			
.800			-.5509					
.834	-.4124							
.850				-.6155	-.5698	-.5257		
.857			-.4710					
.865	-.3383							
.900	-.3849			-.4659				
.905			-.4790	-.3699				
.950				-.2996				
.953			-.2568					
.965	-.3416							



(R01149) ( 13 FEB 74 )

LOWER WING

44-38861-716 1A14 33-112-512025

ALBERTA

MACH	=	1.150	ELEVON	=	.000
RUDDER	=	.000	SFDBRK	=	.000

RESERVE: 2A7A

YREF =	2.4210 SQ.FT.	YREF =	29.5000 INCHES
XREF =	30.7000 INCHES	YREF =	.0000 INCHES
ZREF =	30.7000 INCHES	ZREF =	.0000 INCHES
SCALE =	.0000 SCALE		

ALPHA( 1 ) = -7.669      BETA( 1 ) = -0.069

SECTION NUMBER VARIABLE CEF

[illegible]

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(481L49)

LOWER WING

ARC11-716 1A14 01+112+512025

ALPHA (1) = -7.860 BETA (1) = -0.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.330 .350 .360 .370 .380 .390 .400

-.7891

-.5434

ALPHA (1) = -7.860 BETA (2) = -4.000

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.330 .350 .360 .370 .380 .390 .400

-.7891

-.5434

-.7891

-.7891

-.7891

-.7891

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ALPHA ( 1 )	= -7.060	BETA ( 2 )	= -4.090
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SECTION (LOWER WING

DEPENDENT VARIABLE CP

	.2990	.3640	.4275	.5340	.6730	.7850	.8870
--	-------	-------	-------	-------	-------	-------	-------

[illegible]
$$A(1) = -7.869 \quad \psi(3) = .040$$

SECTION 1 NUMBER LINE

[illegible][illegible]

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - V2L - 5  
 ARC11-716 1A14 01+712+512021 LOWER WING (081L49)

ALPHA (1) = -7.060 BETA (3) = .040

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.3719	-.3261		
.808			-.5410				
.834	-.3510			-.5860	-.4851	-.3906	
.850			-.6546				
.957							
.865	-.5662			-.6893		-.3542	
.900	-.6693		-.5055	-.6552	.0000		
.935			-.4834				
.950			-.4463				
.953							
.965	-.4541						

ALPHA (1) = -7.070 BETA (4) = 4.100

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.2436	-.0826	.2066	.2946	.1741	.0745	.0839
.020				-.7034	-.7975	-.7368	-.6950
.030			-.0675				
.040		-.0162					
.048			-.0973				
.050	-.2132			-.6360	-.7802	-.7392	-.6910
.060				-.3370			
.085			-.1066				
.086		.0100					
.094	-.2610			-.2597	-.5958	-.7211	-.7267
.150		.0609					
.163			-.1161				
.177							
.229	-.0879						
.246		-.0846					
.250				-.1595	-.2942	-.6790	-.7129
.274			-.1215				
.362	.0285						
.390		-.0978					
.400				-.1500	-.1773		-.6175
.402			-.1138				
.497	-.0657			-.1064	.0149		
.550				-.1326			
.565							-.5839
.600							-.0721
.650							

DATE 13 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 3

(851.49)

LOWER WING

ARCH-716 TAIL 01\*12\*512\*25

ANGLE OF ATTACK = 4.100

DEPENDENT VARIABLE C<sub>D</sub>

SECTION 1 / LOWER WING

Y/CM	.2930	.3640	.4270	.5340	.6730	.7800	.8970
.700	-.1287			-.3108	-.2623		
.725						-.2674	-.1335
.750			-.4288				
.760				-.4329	-.3827		
.775				-.6035			
.808							
.834	-.5438						
.850				-.6209	-.5287	-.6074	
.860				-.6355			
.875	-.3905						
.890		-.4157		-.5174			-.0038
.900			-.5580		-.5156		
.920				-.4127		-.5000	
.935				-.3535			
.945	-.4490						

ANGLE OF ATTACK = 7.830

SECTION 2 /

DEPENDENT VARIABLE C<sub>D</sub>

SECTION 2 / LOWER WING

Y/CM	.2930	.3640	.4270	.5340	.6730	.7800	.8970
.700	-.3415	-.1117	.1538	.2354	.0484	-.0613	-.0682
.720				-.6759	-.7860	-.7248	-.6538
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.990							

431



DATE 11 JUL 75 TABULATED PRESSURE DATA - 1A14A - V2.1.5

(R81-49)

LOWER WING

ARC11-716 1A14 01+12+512+25

ALPHA (1) = -7.890 BETA (1) = 0.200

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/CW	2990	3640	4270	5340	6730	7800	8870
0.00				-1.1727	-1.1831		
0.05			-1.1035				-1.4171
0.10						-1.2444	
0.15	-1.1637			-1.4481	-1.3861		
0.20						-1.3523	-1.1892
0.25			-1.4498				
0.30				-1.5118	-1.4889		
0.35			-1.4484				
0.40	-1.3362						
0.45			-1.4903		-1.5613	-1.6106	-1.5260
0.50	-1.3236						
0.55	-1.3334		-1.5548				-1.4647
0.60			-1.5577	-1.3787			
0.65			-1.3346				0.0000
0.70			-1.3723				
0.75	-1.4513						

ALPHA (2) = -3.930 BETA (1) = -0.100

SECTION 1 LOWER WING DEPENDENT VARIABLE C<sub>D</sub>

Y/CW	2990	3640	4270	5340	6730	7800	8870
0.00							
0.05	-1.0675	0.0166	0.5334	0.6288	0.6040	0.5500	0.5867
0.10				-1.2437	-1.5264	-1.5342	-1.5369
0.15			1.1876				
0.20		-1.0688					
0.25			1.1289				
0.30	-1.1718			-1.1644	-1.4488	-1.5865	-1.6069
0.35				-1.1304			
0.40			0.9977				
0.45		0.9361					
0.50	-1.1443						
0.55				-1.1037	-1.1015	-1.3403	-1.4756
0.60		0.2914					
0.65			-1.0099				
0.70	-1.1113						
0.75		1.0884					
0.80							
0.85				-0.9320	-0.9381	1.1898	-0.9552
0.90							
0.95						0.0276	
1.00							



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAILA - VOL. 5

(881149)

LOWER WING

ARC11-716 TAILA 20\*7129512-25

ALPHA = 2.0 BETA = -3.930 BETA / 10 = -0.393

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/B	2493	3563	4273	5343	6733	7503	8873
1/CM							
.390		.0227					
.400			.2751	.2533			.1964
.402		.1929					
.403							
.404			.2423	.1703			
.405		.5514					
.406							
.407							
.408							
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.499							
.500							

ALPHA = 2.0 BETA = -3.890 BETA / 10 = -0.389

Y/B	2493	3563	4273	5343	6733	7503	8873
1/CM							
.390							
.400			.2751	.2533			.1964
.402		.1929					
.403							
.404			.2423	.1703			
.405		.5514					
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(R81L49)

LOWER WING

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 01+112+512125

ALPHA( 2 ) = -3.890 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.150 -.1206 -.1784 -.3695 -.6617  
 .163 .2121  
 .177 -.0245  
 .229 -.0476 .0382  
 .246  
 .250  
 .274 -.0103  
 .362 .1434  
 .390 .0247  
 .400  
 .402  
 .452 .0061  
 .497 .0198  
 .590 .1629 .1084  
 .585 .1370  
 .600  
 .650  
 .700 .0263  
 .725  
 .750  
 .760  
 .775  
 .806  
 .834 -.5282  
 .850  
 .887 -.6365  
 .865 -.5499  
 .900 -.6439  
 .905  
 .910  
 .955  
 .965 -.4374

-.0089

-.0503

-.1882

-.2217

-.3178

-.5149

-.6748

-.5185

-.5326

-.4294

-.5563

-.4757

-.4170

-.2554

-.2242

-.3050

-.6530

.0000

-.4398

ALPHA( 2 ) = -3.890 BETA( 4 ) = 4.080

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000 -.2614 -.0614 .2915 .4032 .3083 .2322 .2939  
 .020  
 .030  
 .040  
 .048  
 .050 .0016  
 .0062  
 -.2295 -.6392 -.7078 -.6848

.2915

.4032

.3083

.2322

.2939

-.3725

-.6968

-.7384

-.7183

.1064

.0016

.0062

-.2295

-.6392

-.7078

-.6848

(R81L49)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

LOWER WING

ARC11-716 IA14 01+112+512H25

ALPHA(2) = -3.890 BETA(4) = 4.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.060		
.065		
.085		
.094		
.150		
.163		
.177		
.229		
.246		
.253		
.274		
.362		
.390		
.400		
.402		
.497		
.553		
.565		
.600		
.650		
.700		
.725		
.750		
.760		
.775		
.808		
.834		
.850		
.857		
.865		
.900		
.905		
.950		
.953		
.965		



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L49)

LOWER WING

ARC11-716 1A14 01+112+512+25

ALPHA(2) = -3.890 BETA(5) = 0.180

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8570

X/CW

.000	-.4330	-.0460	.1256	.4278	.2167	.1067	.1377
.020				-.2955	-.7422	-.7155	-.5374
.030			.0298				
.040		-.0478					
.048			-.0230				
.050	-.3517			-.1854	-.6907	-.6926	-.5905
.080				-.1599			
.085			-.0207				
.086		-.0115					
.094	-.2511			-.1044	-.1691	-.5195	-.5865
.150							
.163		.0393					
.177			-.0272				
.229	-.1343						
.246		-.0393		-.0739	-.1459	-.1385	-.5367
.250			-.0398				
.274							
.362	-.0175			-.0658	-.1003		-.1970
.390		-.0397					
.400							
.402			-.0543				
.497	-.0359			-.1365	-.1325		-.1099
.550							
.565							
.600							
.650						-.1555	
.700	-.1255			-.4098			
.725							
.750				-.4208			
.760							
.775				-.4709	-.5219		
.808				-.4220			
.834	-.2777						
.850				-.5124	-.5713	-.5116	
.857			-.4625				
.865	-.2982						
.900	-.3675			-.5458			-.5356
.905				-.5264	-.4272		
.950				-.3151			.0000
.955							
.965	-.4408			-.3858			

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(881L49)

LOWER WING

ARC11-716 IAI4 01\*712\*512R25

ALPHA( 3 ) = -.310 BETA( 1 ) = -0.100

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0148	-.0132	.5562	.7306	.7018	.6788	.7146
.020				.0667	-.0542	-.0722	-.0348
.030			.3389				
.040		.1147					
.048			.2327				
.050	-.1273			.0712	-.0097	.0278	.0088
.060				.0701			
.065			.1916				
.086		.0951					
.094	-.1300			.0984	.2096	.2112	.1824
.150		.3456					
.163			.1481				
.177	-.0919						
.246		.1685					
.250				.2384	.2513	.2454	.1527
.274		.1994					
.362	.2719						
.390		.2077		.3353	.2843		.1537
.400							
.402		.3088					
.497	.1604			.2694	.1840		
.550			.2923				
.565							
.600							
.650							
.700	.2941						
.725				-.1322			
.750							
.760							
.775							
.808							
.834	-.4216						
.850							
.857							
.865	-.4609						
.900	-.6000						
.905							
.950							
.953							
.965	-.4873						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI44 - VOL. 5

(RB1L49)

LOWER WING

ARC11-716 IAI4 01+112+512R25

ALPHA( 3 ) = -.330 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.0996	-.0660	.4907	.6563	.6268	.6013	.6615
.020				.0083	-.1345	-.1329	-.0826
.030			.2860				
.040		.0343					
.048			.1802				
.050	-.1806			-.0013	-.1118	-.0175	.0006
.080				.0387			
.095			.0562				
.096		.0595					
.098							
.150	-.1955			.0480	.2280	.1360	.1453
.153		.2929					
.177			.1005				
.223	-.0897						
.245		.1165		.2114	.2272	.2304	.1532
.250			.1245				
.274							
.352	.2143						
.380		.1123		.3055	.2670		.1392
.400			.2610				
.402							
.497	.1183		.2371	.2477	.1674		
.550							
.565							
.600							
.650							
.700	.2345					-.0232	-.0218
.725				-.1516			
.750			.2315			-.2278	-.2092
.775				-.2088	-.2549		
.800			.1516				
.834	-.4329						
.850				-.5062	-.4330	-.3928	
.859			.1529				
.860							
.900	-.6180			-.6205			-.4255
.905			.1706		-.6154		
.950				-.7038		.0000	
.955			-.5248				
.965	-.4375						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

PAGE 2350

(RB1L49)

LOWER WING

ARC11-716 1A14 31+12+512+25

ALPHA( 3 ) = -.340 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING

DEPENDENT VARIABLE CP

Y/CM .2990 .3640 .4270 .5340 .6730 .7800 .8970

Y/CM

.000	-.1604	-.1000	.4660	.6175	.5511	.4880	.5369
.020				-.0041	-.2162	-.3310	-.2118
.030			.2985				
.040		.0112					
.048			.1610				
.050	-.1773			-.0045	-.11673	-.2235	-.1141
.080				.0070			
.085			.1450				
.086		.1123					
.094	-.2660			.0296	.0091	.1362	.0821
.150		.2732					
.163			.0802				
.177	-.0375						
.229		.1016		.0602	.1734	.2049	.0934
.245			.0830				
.250							
.274	.1629			.2457	.2361		.0982
.302		.0935					
.390			.1310				
.400				.2070	.1352		
.432	.0993						
.497			.1659				-.0587
.550						-.0566	
.565							
.600							
.650							
.700	.1323			-.1900	-.1831		
.725						-.2634	-.2409
.750			-.2836				
.760				-.3240	-.2915		
.775			-.4610				
.809							
.834	-.4935			-.3397	-.4667	-.4247	
.850							
.857			-.6133				
.865	-.3255						
.900	-.6280			-.6503			-.4562
.935			-.7114		-.6475		
.950				-.7263		.0000	
.953			-.4429				
.965	-.4561						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL14A - VOL. 5

(881149)

LOWER WING

ARC11-716 IAL14 01+112+512R25

ALPHA(3) = -.340 BETA(4) = 4.100

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3540 .4270 .5340 .6730 .7900 .8870

X/CW

.000	-.2875	-.1347	.3393	.5106	.4281	.3647	.4153
.020				-.0586	-.2987	-.4097	-.4597
.030			.2308				
.040		-.0904					
.048			.1199				
.050	-.2264			-.0517	-.2145	-.2956	-.3495
.060				-.0408			
.065			.0814				
.086		.0961					
.094	-.2305			-.0313	-.0450	-.0693	.0983
.150		.1773					
.163			.0400				
.177							
.229	-.0489						
.245		.0403		.0030	-.0211	.1547	.0775
.250			.0329				
.274							
.362	.1002						
.370		.0399		.0757	.1649		.0703
.430			.0367				
.402				.0844	.0690		
.497	.0379		.0191				
.550							
.565							
.600							
.650							
.700	-.0253			-.2879	-.2362	-.1073	-.1089
.725							
.750			-.3974			-.3075	-.2919
.760				-.4021	-.3562		
.775			-.5779				
.809							
.834	-.5135			-.6336	-.5233	-.4635	
.850			-.6602				
.957							
.965	-.3979			-.5559			-.5007
.970	-.4243						
.995			-.4866		-.6625		
.999				-.3826		.0000	
.999			-.3935				
.999	-.4460						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL49)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHAD(3) = -.340 BETA(5) = 0.170

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

X/CW .2992 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.5387	-.1388	.1009	.4000	.3533	.2707	.3056
.020				-.0624	-.3719	-.4813	-.5233
.030			.0853				
.040		-.0914					
.048			.0439				
.050	-.3794			-.0134	-.2069	-.3124	-.4387
.080				-.0037			
.085			.0417				
.086		.0012					
.094	-.2908						
.150				.0120	-.0369	-.0942	-.1275
.163		.0726					
.177		.0331					
.229	-.0966						
.245		.0114		.0122	-.0288	-.0392	-.0854
.250			.0246				
.274							
.362	.0174						
.390		.0222		.0061	-.0176		-.0068
.400							
.402			.0081				
.497	.0185			-.0819	-.0947		
.550							
.563			-.0813				
.630							-.1688
.650				-.3828	-.3464		
.700	-.0755						
.725							
.750							
.760				-.4692	-.4634	-.4360	
.775							
.808				-.5595			
.834	-.4382						
.850				-.5780	-.5606	-.5230	
.857				-.4343			
.865	-.3414						
.930	-.3732			-.4919			-.5460
.905				-.4845	-.3918		
.950				-.3000			.0000
.955				-.3315			
.965	-.4242						



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5

(R01049)

LOWER WING

ARC11-716 TAIL GA+112+512+25

ALPHA (A) = 4.130 BETAD (B) = -0.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0698	-.0676	.5228	.7625	.7785	.7339	.7118
.020				.4146	.4112	.4692	.4750
.030			.4940				
.040		.1277					
.060	.0694		.3834	.3407	.3679	.3901	.3728
.080				.3072			
.095		.3426					
.096		.2886					
.098	-.0812						
.100		.4096		.3274	.3821	.3807	.3264
.110			.3000				
.120	.0204	.2712					
.140			.3229	.3491	.3564	.3525	.2538
.150	.3292						
.160		.3189		.3840	.3374		.2133
.170			.3693				
.180	.2873			.2866	.2108		
.190			.3047				.0353
.200					.0258		
.210	.3208			-.1189	-.1157		
.220						-.1887	-.1593
.230		-.1974					
.240			-.3859	-.2630	-.2127		
.250							
.260							
.270							
.280							
.290							
.300							
.310							
.320							
.330							
.340							
.350							
.360							
.370							
.380							
.390							
.400							
.410							
.420							
.430							
.440							
.450							
.460							
.470							
.480							
.490							
.500							
.510							
.520							
.530							
.540							
.550							
.560							
.570							
.580							
.590							
.600							
.610							
.620							
.630							
.640							
.650							
.660							
.670							
.680							
.690							
.700							
.710							
.720							
.730							
.740							
.750							
.760							
.770							
.780							
.790							
.800							
.810							
.820							
.830							
.840							
.850							
.860							
.870							
.880							
.890							
.900							
.910							
.920							
.930							
.940							
.950							
.960							
.970							
.980							
.990							
1.000							

(RBL49)

LOWER WING

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

ARC11-716 1A14 OL+112+512+25

A. MAJOR (4) = 4.010 BETA0 (2) = -4.010

SECTION 30 (1) LOWER WING DEPENDENT VARIABLE CP

Y/W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0333	-.1728	.4589	.7179	.7076	.6718	.6584
.020			.4525	.5449	.5572	.4077	.4250
.030		.0446					
.040			.3360				
.050	.0753			.2896	.3141	.3363	.3331
.060				.2589			
.075	.095		.2850				
.085		.2085					
.094	-.1140			.2721	.3390	.3436	.2935
.100		.3659					
.117			.2480				
.229	.0069						
.246		.2281		.2997	.3174	.3199	.2357
.250			.2698				
.274							
.362	.2715						
.337		.2626		.3388	.3010		.1779
.400			.3181				
.402				.2499	.1802		
.497	.2329		.2625				.0002
.550							
.565							
.600							
.650							
.700	.2521						
.725				-.1508			
.750							
.760							
.775							
.809							
.834	-.4434						
.850							
.857							
.865	-.4980						
.900	-.6185						
.915							
.950							
.955							
.965	-.4292						



(R94-49)

2000

5212150114 07120512125

1. FRACTION : 4.993 6540 (3) = .969

# DEPENDENT VARIATION

Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

2

Year	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

62C 4642. 1:22. 6042. 2411.

100

3125 07C.

[illegible]

299

946 . 1723

— 33727

10

1923

4510 - 4520

Year	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

112

342 .2313

2724 2250 1119

2.2 .2.18

452  
S841

1961

CCF  
-0595

2472

2267-1

182 - .2527 - .2379

2202-

- 474 -

**PAGE NO.**

6121' - .4219'

1930 - 1931

911 - 6276 - 6450 - 4547

559  
- .6739  
- .6424

4222

0080-6

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OF POOR QUALITY



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L49)

LOWER WING

ARC11-716 1A14 01+112+512M25

ALPHA(4) = 4.030 BETA(4) = 4.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2980	.3640	.4270	.5340	.6730	.7800	.8870
1/CW							
.000	-.3251	-.3070	.2373	.5572	.5272	.4963	.5344
.020				.1796	.1185	.1566	.2443
.030			.2824				
.040		-.0535					
.048			.2067				
.053	-.2044			.1429	.1030	.1370	.1922
.060				.1129			
.085			.1714				
.095		.1156					
.134	-.1412			.1062	.1635	.2013	.1820
.143		.2188					
.163			.1292				
.177	.0007						
.223		.1211		.1213	.1632	.2145	.1391
.246			.1187				
.253							
.274							
.308	.1450	.1146		.1594	.1885		.0927
.393			.1191				
.402				.0995	.0864		
.497	.1099		.0515				
.550							
.565							
.600							
.650							
.700	.0030			-.2304			
.725							
.757							
.760							
.775							
.808							
.834	-.4469						
.850							
.857							
.865							
.900	-.4317						
.905							
.940							
.945							
.965							







## TABULATED PRESSURE DATA - IAI4A - VOL. 3

(R01L49)

LOWER WING

ARC11-716 IAI4 01-712-912N23

ALPHA(1) = 0.040 BETA(1) = -0.090

DEPENDENT VARIABLE CF

SECTION (1) LOWER WING

WING	.2900	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.0763	-.0492	.5094	.0076	.7579	.6737	.8202
.020				.5623	.6126	.6802	.6618
.030			.5697				
.040		.2598					
.048			.4624				
.050	.0886			.4445	.5267	.5540	.5311
.060				.3099			
.085			.3894				
.086		.3768					
.094	.0484			.3654	.4580	.4691	.4169
.150			.4503				
.163			.3140				
.177		.1659					
.229		.2931		.3548	.3893	.4037	.3270
.246							
.250			.3803				
.274							
.362	.3402						
.390		.3112		.3500	.3277		.2447
.400			.3361				
.408				.2249	.1900		
.487	.2837		.2279				.0549
.550						.0262	
.600							
.650							
.700	.2486						
.723				-.1556			
.750							
.760			-.2242				
.775				-.2843	-.2258		
.808			-.3905				
.834	-.4315						
.850				-.4480	-.3890	-.3538	
.857			-.5178				
.863	-.4887						
.900	-.6020			-.5200			-.3774
.975			-.6157		-.5485		
.990				-.5529		.0000	
.993			-.6627				
.995	-.4772						



DATE 11 JAN 75

TABULATED PRESSURE DATA - IAL4A - VOL. 5

PAGE 2359

(RBIL49)

LOWER WING

ARC11-716 IAL4 010712+912125

ALPHA( 3 ) = 7.970 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.000	-.0399	-.2006
.020		.7337
.030		.7166
.040		.6279
.049		.5715
.050		.5307
.060		.5744
.085		.6392
.096		.5330
.094		.4201
.150		.4226
.163		.4981
.177		.5328
.229		.5162
.246		.3725
.250		.3693
.274		.3597
.352		.3499
.400		.4449
.402		.4550
.497		.4055
.550		.3039
.555		.2644
.600		.2848
.650		.3106
.700		.3448
.725		.3809
.750		.3950
.775		.3136
.800		.3482
.834		.3249
.857		.2284
.865		.2369
.900		.1886
.905		.2444
.930		.2644
.933		.0346
.965		.0144
		-.1470
		-.1973
		-.1691
		-.2235
		-.2820
		-.2260
		-.4044
		-.4689
		-.3942
		-.3665
		-.5439
		-.4926
		-.6140
		-.5725
		-.3932
		-.6600
		-.5582
		-.6241
		.0000
		-.6660
		-.4213

DATE 11 JAN 75 TABULATED PRESSURE DATA - IA14A - VOL. 5

(RB1L49)

LOWER WING

ARC11-716 IA14 01+T12+S12N25

ALPHA: 5) = 8.060 BETA: ( 3) = .040

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1938	-.4403	.3487	.6594	.6542	.5718	.5143
.020				.4139	.4502	.5440	.5584
.030			.4799				
.040		-.0073					
.048			.3679				
.050	-.0835			.3274	.3877	.4360	.4420
.080				.2790			
.085			.3042				
.086		.2114					
.094	-.0621						
.150				.2573	.3559	.3802	.3409
.163		.3568					
.177			.2330				
.229	.0749						
.246		.2145					
.250				.2555	.3000	.3349	.2523
.274			.2313				
.362	.2465	.2169					
.390				.2695	.2623		.1755
.400			.2397				
.402							
.497	.1986			.1670	.1396		
.550			.1502				
.565							
.600							
.650							
.700	.1285						
.725				-.1786			
.750							
.760							
.775							
.808							
.834	-.5070						
.850							
.857							
.865	-.5434						
.900	-.6114						
.905							
.950							
.955							
.965							



(RBIL49)

## TABULATED PRESSURE DATA - (A16A - VOL. 5)

LOWER WING

ARC11-716 1A14 01+12+512R25

DATE 11 JAN 75

ALPHA(5) = 0.060 BETAD (4) = 4.140

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.3635	-.4412	.0984	.5296	.5603	.5092	.4677
.020				.3471	.3672	.4697	.5023
.030			.2890				
.040		-.0826					
.048			.2485				
.050	-.1518			.2688	.3146	.3725	.3962
.080				.2251			
.085			.2313				
.096		.1107					
.094	-.1205			.2004	.2930	.3288	.3063
.150		.2309					
.163			.1927				
.177	.0211						
.229		.1754		.1888	.2411	.2978	.2233
.246			.1775				
.274	.1697						
.352		.1672		.1853	.2164		.1498
.390			.1577				
.403				.0915	.1016		
.402	.1444		.0571				
.550						-.0469	
.565					-.0601		
.600							
.650	.0225			-.2609			
.700					-.2081		
.725						-.2643	-.2435
.750							
.760			-.3645				
.775				-.3749	-.3131		
.808			-.5322				
.834	-.4644			-.5573	-.4801	-.4371	
.850			-.6214				
.857							
.865	-.4335			-.6289			-.4647
.900	-.4193				-.6597		
.905			-.4746			.0000	
.950				-.3435			
.953			-.3496				
.965	-.3089						

**BETA2 (S) = 0.950**

DEPENDENT VARIABLE CF

1786	.2999	.3643	.4270	.5340	.6730	.7800	.8870
x/cm							
.000	-.6835	-.2121	-.0215	.1108	.4393	.4376	.4116
.020				.2164	.2619	.3465	.4543
.030			.1160				
.040		-.1188					
.048			.1302				
.050	-.3011			.1967	.2146	.2604	.3078
.060			.1509	.1862			
.085		.0235					
.086							
.094	-.2202			.1674	.1937	.2402	.2332
.150		.1243					
.153			.1509				
.177	-.0148						
.229		.1184					
.246			.1446				
.250				.1481	.1574	.2178	.1575
.274							
.362	.0979						
.390		.1262					
.400			.1189	.1206	.1255		.0961
.402							
.497	.1096			.0204	.0184		
.550							
.565			.0118				
.600							
.650							
.700	-.0061					-.1146	-.0922
.725							
.750				-.2865			
.760			-.3785			-.3070	-.2822
.775							
.808			-.5154				
.834	-.3922						
.850							
.857			-.4323				
.865	-.3341						
.900	-.3511			-.5581	-.5113	-.4694	
.905							
.950			-.4529		-.4518		
.953				-.3037		.0000	
.965	-.3596		-.2601				
		</					



(R31L30) ( 15 FEB 74 )

LOWER WING

ARC11-716 1A14 01+112+512N25

PARAMETRIC DATA

MACH = 1.250 ELEVON = .000  
RUDDER = .000 SPDRY = .000

REFERENCE DATA

SRF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
LREF = 38.7090 INCHES YMRP = .0000 INCHES  
BRF = 38.7090 INCHES ZMRP = .0000 INCHES  
SCALE = .0300 SCALE

ALPHA(1) = -0.010 BETAD(1) = -0.020

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 5730 .7850 .8870

X/CW

.000	.0043	-.0692	.3372	.5694	.4962	.4324	.4655
.020			-.5267	-.5997	-.6272	-.5815	
.030		-.2400					
.040		-.0394					
.048			-.1781				
.050	-.0883		-.5159	-.5757	-.6688	-.6700	
.080			-.4914				
.085			-.1290				
.086		-.0591					
.094	-.0536						
.150		.0741	-.2012	-.4912	-.6058	-.6214	
.163							
.177			-.1319				
.229	-.0388						
.246		.0043	-.0731	-.2522	-.5681	-.5837	
.250							
.274		.0219					
.362	-.0213						
.390		.0377	-.0776	-.2105		-.5373	
.400							
.422		-.0197					
.497	.0878		-.0662	-.0656			
.510		-.1301					
.585							
.600							
.610							
.700	-.0570		-.0337	-.0403	.0056	-.2243	
.725							
.750							
.760		-.1117	-.1782	-.1421	-.1146	-.1251	
.775		-.3086					
.808	-.3208						
.834			-.3910	-.3028	-.2447		
.850		-.4492					
.857							
.865	-.3797						
.900	-.4899		-.5004				
.905		-.5718	-.4748			-.2847	

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14A - VOL. 3

(RB1L50)

LOWER WING

ARC11-716 IAI14 OL+TIR+SIEN25

ALPHA( 1 ) = -0.010 BETA( 1 ) = -0.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	
.950	-.5878
.953	-.6533
.965	-.6117

.0000

ALPHA( 1 ) = -0.010 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	
.900	-.0793
.920	-.1598
.930	.2072
.940	.4554
.950	.3745
.960	.3133
.985	-.5854
.986	-.6517
.994	-.6686
.150	-.6187
.163	-.2903
.177	-.1217
.229	-.2246
.246	-.5605
.250	-.6514
.274	-.6710
.362	-.7040
.390	-.5634
.400	-.2103
.402	-.1035
.497	-.3370
.550	-.5667
.565	-.6473
.600	-.6473
.650	-.5447
.720	-.3370
.725	-.5667
.750	-.6473
.760	-.6473
.775	-.5447
.808	-.3370
.834	-.5667
.850	-.6473

ALPHA( 1 ) = -0.010 BETA( 2 ) = -4.000

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	
.900	-.0793
.920	-.1598
.930	.2072
.940	.4554
.950	.3745
.960	.3133
.985	-.5854
.986	-.6517
.994	-.6686
.150	-.6187
.163	-.2903
.177	-.1217
.229	-.2246
.246	-.5605
.250	-.6514
.274	-.6710
.362	-.7040
.390	-.5634
.400	-.2103
.402	-.1035
.497	-.3370
.550	-.5667
.565	-.6473
.600	-.6473
.650	-.5447
.720	-.3370
.725	-.5667
.750	-.6473
.760	-.6473
.775	-.5447
.808	-.3370
.834	-.5667
.850	-.6473









DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI14 - VOL. 5

(R81L50)

LOWER WING

ARC11-716 IAI14 Q1-T12-S12H25

ALPHA (1) = -0.010 BETAS (4) = 4.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

X/CW Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.700	-.1646		-.1320		
.725		-.2412		-.1272	-.4255	
.750						
.760		-.3316		-.3438	-.2378	
.775						
.808		-.5088				
.834	-.4782					
.850		-.5160	-.4058	-.2891		
.857		-.5701				
.865	-.3781					
.870	-.3797	-.5269	-.5585		-.2802	
.905		-.4689				
.950		-.3332		.0000		
.955		-.3086				
.965	-.4382					

ALPHA (1) = -0.050 BETAS (5) = 8.160

SECTION (1) LOWER WING DEPENDENT VARIABLE CF

X/CW Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW	.000	-.2940	-.1184	.1142	.2351	.0960	.0037	.0239
.020					-.6105	-.6937	-.6677	-.6034
.030			-.1159					
.040		-.0621						
.048			-.1218					
.053	-.2514			-.5821	-.6895	-.6695	-.6029	
.080				-.3782				
.085			-.1606					
.086		-.0414						
.094	-.2202			-.2626	-.5905	-.6701	-.6094	
.150								
.163		-.0194						
.177			-.1713					
.229	-.1567							
.245		-.1052						
.250				-.2109	-.5475	-.6261	-.6422	
.274			-.1612					
.362	-.0934							
.590		-.1286						
.603				-.1475	-.1679		-.6208	
.602								
.697	-.1251							

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DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L30)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA(1) = -0.030 BETA(1) = 0.100

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.550 -.1433 -.1482  
 .565 -.1606  
 .600 -.1812  
 .650 -.3103  
 .700 -.3817  
 .725 -.4377  
 .750 -.4588  
 .760 -.4036  
 .775 -.4704  
 .808 -.4377  
 .834 -.5426  
 .850 -.5191  
 .857 -.4320  
 .865 -.4697  
 .893 -.3440  
 .903 -.2958  
 .905 -.3371  
 .910  
 .915  
 .955 -.4191

ALPHA(2) = -3.930 BETA(2) = -0.050

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.0000 .0060 .0377 .3761 .6490 .6137 .5641 .5963  
 .020 .3750 .4464 .4978 .4381  
 .030 .0428  
 .040 -.0263 .0163  
 .048 .0163  
 .050 -.0855  
 .053 .3170 .3930 .5061 .5218  
 .055 -.2186  
 .065 -.0826  
 .066 .0401  
 .068 -.0459  
 .094 .0101 .0510 .3983 .4517  
 .190 .1232  
 .163 .1470  
 .177  
 .228 -.0513  
 .246 .0324  
 .250 .0112 .0576 .0706 .4047  
 .274 .0764  
 .362 -.0880



DATE 11 JAN 75 TABULATED PRESSURE DATA - TAIL - VOL. 5

ARC11-716 TAIL 01+712+512N25 LOWER WING (RB1L30)

ALPHA(1) = -3.930 BETA(1) = -0.050

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP
Y/CW	
.290	.0840
.400	.0006
.402	.0372
.497	.1471
.550	.3136
.565	.2327
.600	.3179
.650	.0932
.700	.0257
.725	-.0481
.750	-.1246
.775	-.1835
.800	-.3074
.834	-.3211
.850	-.3817
.857	-.2964
.864	-.2454
.900	-.4905
.905	-.4750
.950	-.5678
.955	-.5786
.965	-.6446
.965	-.6115
	-.0991
	-.0425
	-.1326
	-.2454
	-.2622
	.0000

ALPHA(2) = -3.930 BETA(2) = -4.020

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP
Y/CW	
.290	-.0804
.400	-.1219
.402	.3027
.497	.5550
.550	-.4375
.565	-.0269
.600	-.0999
.650	-.0755
.700	-.3852
.725	-.4559
.750	-.5551
.775	-.2657
.800	-.1834
.834	-.0150
.850	-.1275
.857	.0030
.864	-.1448
.900	-.4862
.905	-.4981
.950	.0737
.955	-.0427
.965	-.1328

DATE 11 JAN 75 TABULATED FREESTREAM DATA - 1A14A - VOL. 3

(RBLSD)

LOWER WING

ARC11-716 1A14 01+712+312M25

ALPHA( 2 ) = -3.930 BETA( 2 ) = -4.020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.246	-.0163					
.250		-.0560	-.1235	-.1308	-.4843	
.274		.0346				
.362	-.0222					
.330		.0436				
.403			-.0512	-.0945	-.1504	
.432			-.0080			
.497	.0660					
.552			.2721	.2134		
.565			.1247			.0713
.632						
.653						
.700	.0470			-.0430	.0814	
.725			-.0594		-.1199	-.0433
.750						
.760			-.1434	-.1974	-.1514	
.775			-.3303			
.808	-.3416			-.4319	-.3171	-.2596
.834						
.853				-.4671		
.865	-.3098			-.5096		-.2675
.900	-.5104			-.5857	-.4897	.0000
.935				-.5947		
.950				-.6621		
.953						
.965	-.6336					

ALPHA( 2 ) = -3.940 BETA( 3 ) = .050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.020	-.1395	-.1137	.2822	.4843	.4252	.3623	.3984
.020				-.4155	-.5422	-.5858	-.5365
.030			-.0123				
.040		-.1194					
.048			-.0216				
.050	-.8081		-.3026	-.4891	-.5764	-.6077	
.060				-.1721			
.085			-.0406				
.094		-.0714					
.094	-.8001						



(281159)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IALIA - VOL. 5

LOWER WING

ARC11-716 IALIA 110112+512423

ALPHA(2) = -3.940 BETA(3) = .050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8070

X/CW						
.150						
.163	.0809					
.177						
.229						
.246						
.250						
.274						
.362						
.390						
.432						
.497						
.550						
.565						
.600						
.650						
.700						
.725						
.750						
.760						
.775						
.819						
.834						
.850						
.857						
.865						
.900						
.905						
.920						
.933						
.945						

ALPHA(2) = -3.940 BETA(3) = .050

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6730 .7800 .8070

X/CW						
.000						
.020						
.030						
.040						
.049						

DATE 31 JAN 73 TABULATED PRESSURE DATA - IAI4A - VOL. 3

(RBL130)

LOWER WING

ARC11-716 IAI4 OA+Y12+512025

ALPHA(1 2) = -3.940 BETA(1 4) = 4.090

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/W .2900 .3640 .4270 .5340 .6730 .7000 .8070

X/CW						
.000						
.001						
.002						
.003						
.004						
.005						
.006						
.007						
.008						
.009						
.010						
.011						
.012						
.013						
.014						
.015						
.016						
.017						
.018						
.019						
.020						
.021						
.022						
.023						
.024						
.025						
.026						
.027						
.028						
.029						
.030						
.031						
.032						
.033						
.034						
.035						
.036						
.037						
.038						
.039						
.040						
.041						
.042						
.043						
.044						
.045						
.046						
.047						
.048						
.049						
.050						
.051						
.052						
.053						
.054						
.055						
.056						
.057						
.058						
.059						
.060						
.061						
.062						
.063						
.064						
.065						
.066						
.067						
.068						
.069						
.070						
.071						
.072						
.073						
.074						
.075						
.076						
.077						
.078						
.079						
.080						
.081						
.082						
.083						
.084						
.085						
.086						
.087						
.088						
.089						
.090						
.091						
.092						
.093						
.094						
.095						
.096						
.097						
.098						
.099						
.100						







DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L50)

LOWER WING

ARC11-716 1A14 01-112+512R25

ALPHA(3) = -.340 BCTAO (1) = -8.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	.0066	.0259	.4732	.7401	.7012	.6414	.6778
.020			.1982	.0392	-.0971	-.2554	-.2409
.030		.0015					
.040			.0881	.0375	-.1019	-.1661	-.2697
.050	-.0663			.0664			
.060		.1524					
.080		.1080					
.094	-.0455			.0359	-.0069	-.0343	-.1498
.150		.1997					
.163			.1164				
.177				.3591	.3699		.2602
.229	-.0300	.1247					
.245				.3442	.2730		.0921
.250						.0960	
.274	.0954	.1109					
.362							
.390							
.400							
.402							
.497	.1611						
.550							
.555							
.600							
.650							
.700	.3227						
.725							
.750							
.760							
.775							
.808							
.834							
.850							
.857							
.865							
.900							
.905							
.950							
.953							
.965							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBIL30)

LOWER WING

ARC11-716 1A14 01+712+512+25

ALPHA(13) = -.350 BETA(2) = -4.020

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/OW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW

.000 -.0601 -.0512 .3992 .6397 .6139 .5619 .5897

.020

.030 .1348 -.1004 -.2343 -.3618 -.5034

.040

.048 -.0465 .0286

.050

.058 -.1109 -.1084 -.1370 -.2514 -.3470

.060

.065 -.0212

.085

.086 .0802

.095

.094 -.1152

.100

.109 .0109 -.0428 -.1061 -.2444

.110

.117 .1433 .0683

.129

.129 -.0964

.246

.246 .0314

.250

.250 .0310 -.0237 -.0316 -.0674

.274

.274 .0715

.362

.362 .0345

.390

.390 .0821

.400

.400 .0869 .2985 .2613

.422

.422 .0479

.497

.497 .1353

.550

.550 .3171 .2364

.565

.565 .3116

.600

.600 .0834

.650

.650 .0819

.700

.700 .2487

.725

.725 -.0470

.750

.750 -.1271

.760

.760 -.11847 -.1415

.775

.775 -.3041

.808

.808 -.4475

.834

.834 -.3808 -.3123 -.2792

.850

.850 -.4475

.865

.865 -.3889

.900

.900 -.5002

.905

.905 -.5642 -.4903 -.3167

.950

.950 -.5774 -.0000

.953

.953 -.6431

.965

.965 -.6147

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 5

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(R81L50)

LOWER WING

ARC11-716 1A14 01+T12+S12N25

ALPHA(3) = -.360 BETA(3) = .040

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1309	-.1183	.3394	.5710	.5271	.4692	.5003
.020			-.0520	-.2573	-.4058	-.3594	
.030		.1574					
.040		-.0571					
.048			.0829				
.050	-.1640		-.0220	-.2041	-.2966	-.3730	
.080			-.0360				
.085			.0519				
.086		-.0014					
.094	-.1083			-.0334	-.0632	-.1131	-.2601
.150		.1439					
.163			.0302				
.177	-.1631						
.229		.0496					
.246				-.0180	-.0520	-.0340	-.1060
.250			.0148				
.274	.0823	.0610					
.352			.0278	.0391	.0735		.2427
.390							
.400							
.402							
.497	.0501						
.550			.2855	.2333			
.565			.2497				.0689
.600							
.650				-.0624		.0614	
.700	.0834			-.0855		-.1400	-.1233
.725							
.750			-.1778				
.760			-.2199	-.1722			
.775			-.3520				
.808							
.834	-.3661			-.4155	-.3406	-.2983	
.850			-.4841				
.857							
.883	-.4121						-.3403
.900	-.5038			-.5210			
.905			-.5958	-.5116			
.950				-.6033		.0000	
.953			-.8668				
.965	-.5030						



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 5

(R01L50)

LOWER WING

ARC11-716 IAL4 C1+112+S12R25

ALPHA( 3) = -.380 BETA( 4) = 4.000

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

1/8W .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.2492	-.1315	.2742	.4974	.4289	.4122	.4462
.020				-.2756	-.3000	-.4198	-.3873
.030			.1897				
.040		-.0468					
.048			.1007				
.050	-.1711			-.0923	-.2301	-.2970	-.3484
.080				-.0810			
.085			.0315				
.096		.0346					
.094	-.2378						
.150				-.0470	-.0654	-.0757	-.1276
.163		.1112					
.177			-.0019				
.229	-.0420						
.246		-.0139		-.0316	-.0351	-.0357	-.0593
.250			.0023				
.274							
.362	.0390						
.390		.0114		.0107	.1672		.1810
.400							
.402			-.0022				
.497	.0018			.1770	.1774		
.550			.0450				.0060
.565							
.600							
.650						.0019	
.700	-.0264			-.1788	-.1260		
.725						-.1899	-.1762
.750			-.2873	-.2928	-.2333		
.760							
.775			-.4491				
.808							
.834	-.4036		-.5362	-.4740	-.3939	-.3444	
.850							
.857							
.885	-.3683						-.3810
.900	-.3751			-.5715	-.5525		
.915			-.5895	-.4087			.0000
.950							
.953			-.3955				
.965	-.4283						

(RBIL30)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

ARC11-716 1A14 01+112+312N25

DATE 11 JAN 75

ALPHA(3) = -.385 BETA(5) = 0.120

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	-.4787	-.1061	.1127	.3853	.3461	.2835	.3143
.020				-.1169	-.3637	-.4538	-.4557
.030			.0684				
.040		-.0757					
.048			.0233				
.050	-.3192			-.0634	-.2562	-.3726	-.3812
.080				-.0472			
.085			.0140				
.096		-.0089					
.094	-.2826						
.150				-.0175	-.0496	-.0815	-.1702
.163		.0561					
.177			.0078				
.229	-.1104						
.246		-.0067					
.250				.0025	-.0260	-.0346	-.0860
.274			.0108				
.362	.0122						
.330		.0079		.0162	.0099		.0297
.400							
.402			.0103				
.497	-.0029			-.0440	-.0400		
.550							
.555							
.600							
.650							
.700	-.0474						
.725				-.3129	-.2572		
.750						-.2714	-.2456
.760			-.3844				
.775				-.3952	-.3446		
.806			-.5146				
.834	-.4384						
.850				-.5291	-.4734	-.4205	
.857			-.5245				
.865	-.3977						
.900	-.3870			-.5480			-.4392
.905				-.4365	-.4477		
.950				-.3362		.0000	
.953			-.3183				
.965	-.4025						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBIL50)

LOWER WING

ARC11-716 1A14 01+712+512N25

ALPHA(4) = 4.010 BETA(1) = -8.080

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2890 .3340 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.1402	-.0069	.4823	.7983	.7804	.7589	.7649
.020			.4321	.3164	.2808	.3607	.4180
.030		.1210					
.040			.3374	.2407	.2397	.3282	.3530
.050	.0068			.2240			
.060			.3019				
.085		.1306					
.094	-.0140			.2165	.3421	.3712	.3413
.150		.7339					
.163			.8306				
.177							
.229	-.0063	.2429		.3391	.3715	.3812	.3126
.246			.2417				
.250							
.274		.2926					
.352			.2332	.4196	.3867		.2707
.390							
.400			.3836				
.402		.2364		.3339	.2842		.1104
.497			.3647				
.550							
.565							
.600							
.630						.1055	
.700	.3660			-.0171	-.0134		
.725						-.0933	-.0693
.750							
.760						-.0938	
.775						-.1644	-.1064
.808						-.2604	
.834	-.2880						
.850						-.3470	-.2854
.857						-.4163	
.865	-.3516						
.900	-.4735					-.4585	-.2842
.905						-.3346	-.4606
.910						-.5431	.0000
.955						-.6135	
.965	-.6000						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(RBLUSD)

LOWER WING

ARC11-716 1A14 O1+T12+S12N25

ALPHA(4) = 4.010 BETA(2) = -4.030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/B	.2990	.3640	.4270	.5340	.6730	.7803	.8870
X/CW							
.000	.0035	-.1096	.4110	.7010	.6918	.6377	.6699
.020			.3503	.2602	.2388	.2364	.3441
.040		.0391					
.060			.2600				
.080	-.0435			.1898	.1591	.2254	.2915
.100				.1520			
.120			.2603				
.140		.0743					
.160	-.0774			.1567	.2221	.3098	.2920
.180		.2181					
.200			.1367				
.220	-.0682						
.240		.2067		.2160	.3289	.3386	.2691
.260			.1550				
.280	.1888			.3649	.3438		.2282
.300		.1612					
.320			.3122				
.340	.1540			.3136	.2517		
.360			.3130				.0693
.380					.0699		
.400				-.0479	-.0430		
.420	.2837					-.1220	-.1080
.440							
.460				-.1240			
.480					-.1890	-.1420	
.500				-.2947			
.520							
.540	-.3252			-.3744	-.3109	-.2841	
.560							
.580				-.4410			
.600							
.620	-.3751						-.3183
.640		-.4964		-.4834			
.660							
.680				-.5381	-.4879		.0000
.700					-.5699		
.720				-.6364			
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1414A - VOL. 5

(AB1150)

LOWER WING

ARC11-716 1414 01-112-512H25

ALPHA(4) = 4.030 BETA(3) = .040

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3540 .4270 .5340 .6750 .7800 .8870

X/CW

.000	-.1341	-.2134	.3471	.6404	.6089	.5667	.6135
.020				.2301	.1699	.1524	.2548
.030			.3568				
.040		-.0304					
.048			.2582				
.050	-.0757			.1535	.1087	.1256	.2444
.060				.1211			
.085			.2126				
.086		.0664					
.094	-.1229			.1113	.1318	.1954	.2637
.150		.2487					
.163			.1297				
.177	-.0582						
.246		.1374		.1291	.1867	.3565	.2346
.250							
.274			.1443				
.362	.1582						
.390		.1374		.2987	.3240		.1987
.400							
.402			.1745				
.497	.1185			.2711	.2198		
.550			.2457				
.565						.0366	
.600					.0396		
.650							
.700	.1767			-.0781			
.725			-.0904				
.750							
.760		-.1773					
.775				-.2233	-.1761		
.808		-.3461					
.834	-.5847						
.850				-.4121	-.3469	-.3110	
.857		-.4805					
.865	-.4031						
.900	-.5057			-.5176			-.3479
.935		-.5893			-.5132		
.950			-.6019			.0000	
.953							
.963	-.5827		-.6189				



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(881L50)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA(4) = 4.050 BETA(4) = 6.090

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP			
Y/BW	.2990	.3640	.4270	.5340
X/CW	.3640	.6730	.7800	.8870
.000	-.3048	-.2922	.1889	.5439
.020				.5165
.040			.2552	.1994
.060		-.0955		.1445
.080			.1765	.1568
.100	-.1522			.1353
.120				.0857
.140			.1369	.1348
.160		.0908		.2075
.180	-.1696			.1068
.200			.0887	.1458
.220		.1798		.2283
.240			.1070	.2044
.260	-.0919			
.280		.0786		.0951
.300			.1012	.2244
.320				.1841
.340	.1119			.1974
.360		.0934		
.380			.1749	.2233
.400				.1690
.420	.1052			
.440			.1835	.1716
.460	.0823			
.480		.0970		.0979
.500				
.520				.0041
.540	.0307		-.1211	
.560				-.1678
.580				-.1005
.600				-.1676
.620				
.640				
.660				
.680				
.700				
.720				
.740				
.760				
.780				
.800				
.820				
.840				
.860				
.880				
.900				
.920				
.940				
.960				
.980				
1.000				



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAL4A - VOL. 3  
 ARC11-716 IAL4 Q1+T12+SI2H23 LOWER WING (081150)

ALPHA(4) = 4.080 BETA(5) = 0.170

SECTION (1) LOWER WING	DEPENDENT VARIABLE CP				
Y/BW	.2993	.3640	.4275	.5340	.6730 .7800 .8870
X/CW					
.000	-.9345	-.1833	.0435	.3008	.4456 .4130 .4343
.020			.1175	.1161	.0465 .0274 .0754
.040		-.1050			
.060			.0985		
.080	-.2824			.0976 .0315 .0293 .0579	
.100				.0892	
.120			.0985		
.140		.0161			
.160	-.1942			.0855	.0840 .0758 .1150
.180		.0911			
.200		.0881			
.220	-.0468				
.240		.0646		.0892	.0788 .1075 .1347
.260			.0868		
.280	.0596	.0768			
.300				.0847	.0961 .1042
.320			.0823		
.340	.0590			.0211	.0239
.360			.0148		
.380					-.0625
.400				-.0876	
.420				-.2121	
.440	-.0053			-.2479	
.460					-.2549
.480					-.2301
.500			-.3278		
.520				-.3430	-.3057
.540			-.4679		
.560					
.580				-.4993	-.4422
.600	-.39 0				-.4002
.620			-.4962		
.640					
.660	-.3526				
.680	-.3653			-.4990	-.4262
.700			-.4035		
.720				-.4776	
.740				-.3023	.0003
.760			-.2666		
.780					
.800					
.820					
.840					
.860					
.880					
.900					
.920					
.940					
.960					
.980					
.000					



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
ARC11-716 1A14 01-T12-S12M25 LOWER WING (R01L50)

ALPHA( S) = 0.000 BETA( S) = -0.030

SECTION ( 1) LOWER WING	DEPENDENT VARIABLE CP			
T/W	.2990	.3840	.4270	.5340 .6730 .7800 .8870
Z/CW				
.000	.1263	-.0231	.5389	.8327 .7960 .7248 .6868
.020				.4974 .5604 .6493 .6638
.030			.5514	
.040		.2018		
.048			.4221	
.050	.1456		.3792 .4782 .5308 .5401	
.060			.3208	
.085			.3487	
.086		.2935		
.094	.0207			
.150			.3164 .4345 .4705 .4436	
.163		.4278		
.177			.2517	
.229	.0720			
.246		.2537		
.250			.3409 .3967 .4306 .3670	
.274		.2944		
.352	.3226			
.390		.2670		
.400			.3743 .3649	.2950
.408		.3470		
.487	.2391		.2715 .2451	
.550		.2728		.1179
.565				.0939
.600			-.0667	
.650	.2900		-.0422	-.0967 -.0660
.700				
.725			-.1225	
.750			-.1916	-.1279
.760				
.775			-.2690	
.808				
.834	-.3104		-.3402	-.2666 -.2598
.850				
.857		-.4025		
.865	-.3751			
.900	-.4887		-.4176	-.2803
.935			-.5008	-.4347
.950			-.4606	.0900
.953			-.5301	
.965	-.5730			



(R01L50)

LOWER WING

ARC11-716 1A14 C107120512N25

$$A_{\text{max}}(3) = 0.000 \quad \text{BETAC}(2) = -3.903$$

SECTION 201 (LOWER WING) DEPENDENT VARIABLE CF

Yr/W	.2895	.3840	.4270	.5543	.6750	.7050	.8875
1/CW							
.000	.0158	-.1503	.4042	.7468	.7289	.5604	.6215
.020				.4481	.4943	.5595	.6235
.030			.4026				
.040		.1018					
.060			.3687				
.080	.0626			.3449	.4214	.4850	.5075
.100				.2933			
.120			.3134				
.140		.1466					
.160	-.0326						
.180		.3752		.2819	.3967	.4390	.4193
.200			.2534				
.220	.0081						
.240		.2230					
.260							
.280			.2710	.3090	.3710	.4100	.3415
.300	.2764						
.320		.2558					
.340			.3201	.3610	.3355		.2729
.360	.2168						
.380							
.400			.2923	.2677	.2462		
.420							
.440	.2742					.0795	.0947
.460							
.480							
.500							
.520							
.540							
.560							
.580							
.600							
.620							
.640							
.660							
.680							
.700							
.720							
.740							
.760							
.780							
.800							
.820							
.840							
.860							
.880							
.900							
.920							
.940							
.960							
.980							
.000							

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBLUSD)

LOWER WING

ARC11-716 1A14 01-112-512N25

ALPHA (S) = 7.910 BETA (S) = .040

SECTION 1 LOWER WING DEPENDENT VARIABLE CP

Y/OW .2090 .3640 .4270 .5340 .6730 .7800 .8270

Z/CW

.000	-.1197	-.3115	.2758	.6296	.6379	.5840	.5591
.080				.3913	.4023	.5046	.5585
.160		-.0202					
.240			.3164				
.320	-.0348			.2929	.3332	.4363	.4524
.400				.2422			
.480		.1287					
.560	-.0774						
.640		.3148		.2056	.3256	.3777	.3713
.720	.0320		.1908				
.800		.1533		.2252	.3069	.3637	.2993
.880	.2021		.1834				
.960		.1742		.2886	.3100		.2335
1.040			.2356				
1.120	.1603			.2329	.2138		
1.200			.2070				.0978
1.280						.0461	
1.360	.1606			-.1014	-.0756		
1.440						-.1431	-.1274
1.520		-.1915					
1.600			.3494	-.2334	-.1706		
1.680							
1.760	-.3856			-.4092	-.3390	-.3052	
1.840		-.4791					
1.920							
2.000	-.4306						-.3447
2.080	-.5188			-.3106			
2.160		-.5821			-.5038		
2.240				-.3904			.0000
2.320		-.6125					
2.400	-.4535						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081150)

LOWER WING

ARC11-716 1A14 OL+Y12+S12N25

ALPHA( 5) = 0.000 BETA( 4) = 4.130

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.005	-.3423	-.4931	.0391	.5091	.5573	.5410	.5200
.020			.2673	.3424	.3884	.4479	.5110
.030		-.1327					
.040			.2314	.2596	.3212	.3554	.4159
.048				.2140			
.050	-.11510						
.080			.2104				
.085		.0636					
.086							
.094	-.0861			.1814	.2936	.3332	.3389
.150		.1971					
.163			.1171				
.177							
.229	-.0243						
.246		.1412		.1915	.2498	.3252	.2721
.250			.1192				
.274							
.362	.1437						
.390		.1457		.1989	.2545		.2094
.400							
.402			.1579				
.497	.1231			.1377	.1648		
.550			.0905				
.565						.0313	
.600						.0144	
.650							
.700	.0396			-.1149			
.725							
.750							
.763			-.2736				
.775				-.2874	-.2131		
.808				-.4187			
.834							
.850	-.3896						
.857							
.865	-.3885						
.900	-.4056						
.905							
.950							
.955							
.965	-.3561						



DATE 11 JAN 73 TABULATED PRESSURE DATA - 1A14A - VOL. 3

(RBILSD)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( S ) = 7.980 BETA( S ) = 0.220

DEPENDENT VARIABLE CP

SECTION ( 1 ) LOWER WING

Y/BW .2990 .3640 .4270 .3340 .6730 .7800 .8870

X/CW

.900	-.5456	-.2256	-.0614	.1779	.4730	.4454	.4475
.920			.2148	.2396	.3118	.4046	
.930		.1066					
.940		-.1449					
.946			.1223				
.950	-.2248		.1798	.1926	.2275	.3244	
.980			.1620				
.985			.1753				
.986		.0150					
.994	-.1670						
.150			.1450	.1708	.2248	.2780	
.163		.1119					
.177			.1356				
.229	-.0111						
.246		.1095					
.250			.1336	.1504	.2531	.2117	
.274		.1302					
.362	.0929						
.390		.1156					
.400			.1190	.1627		.1507	
.402		.1130					
.497	.0929		.0498	.0719			
.550		.0366					
.585							
.600							
.650							
.700	.0168						
.725			-.2159				
.750							
.760		-.3002					
.775			-.3151	-.2633			
.808		-.4430					
.834	-.3871						
.850			-.4701	-.4136	-.3684		
.857		-.4835					
.865	-.3374						
.900	-.3384		-.5365				
.905		-.3917		-.5563			
.950			-.3334				
.953		-.2860					
.965	-.3376						



DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14 - VOL. 5

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ARC11-716 1A14 01\*12\*512R25

(NB1L51) ( 15 FEB 74 )

LOWER WING

## REFERENCE DATA

SREF = 2.4210 SQ.FT. XMRP = 29.5800 INCHES  
 LREF = 38.7090 INCHES YMRP = .0000 INCHES  
 BRP = 38.7090 INCHES ZMRP = .0000 INCHES  
 SCALE = .0300 SCALE

## PARAMETRIC DATA

MACH = 1.400 ELEVON = .000  
 RUDDER = .000 SPDBRK = .000

ALPHA(1) = -7.890 BETA(1) = -0.050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2993 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.1141	.0189	.3997	.6268	.5701	.5083	.5435
.020				-.3734	-.4372	-.4621	-.4198
.030			-.0782				
.040		-.0550					
.048			-.1089				
.050	.0426			-.3731	-.4680	-.5014	-.5042
.080				-.3576			
.085			-.0362				
.086		-.0094					
.094	-.0843			-.2448	-.4275	-.4669	-.4856
.150							
.163		.0484					
.177			-.1475				
.229	-.0073						
.246		-.0773					
.250				-.1554	-.3909	-.4332	-.4522
.274			-.1218				
.362	.0749						
.390		-.0545					
.400				-.0001	-.0958		-.4020
.402			-.0463				
.497	-.0341			-.0476	-.0532		
.550							
.565							
.600							
.650							
.700	-.0175						
.725				-.1171	-.0398	-.1140	-.3925
.750							
.760			.0601			-.1840	-.3515
.775				-.0130	.0109		
.808			-.1192				
.834	-.1596						
.850				-.2204	-.1529	-.0838	
.857			-.2799				
.855	-.2327						
.900	-.3449			-.3295			-.3361
.905			-.4028		-.3183		





DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL151)

LOWER WING

ARC11-716 1A14 01+112+512H25

ALPHA( 1 ) = -7.880 BETA( 2 ) = -4.010

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.657 -.3083  
 .865 -.2357  
 .900 -.3544  
 .905 -.4255  
 .950 -.3423  
 .953 -.4409  
 .955 -.5021  
 .965 -.4744

ALPHA( 1 ) = -7.870 BETA( 3 ) = .020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.000 -.0805 -.1153 .1611 .3772 .3084 .2503 .2943  
 .020 -.0300 -.0330 -.2366  
 .040 -.1052  
 .046 -.2167  
 .050 -.1071  
 .080 -.4763  
 .083 -.5718  
 .086 -.4740  
 .094 -.1614  
 .094 -.1039  
 .150 -.0902  
 .163 -.3374  
 .177 -.5345  
 .229 -.5711  
 .246 -.5000  
 .250 -.0370  
 .274 -.1813  
 .362 -.1093  
 .390 -.1970  
 .400 -.3947  
 .402 -.5473  
 .402 -.5581  
 .497 -.1462  
 .553 -.1003  
 .565 -.1080  
 .585 -.2353  
 .600 -.5134  
 .600 -.0955  
 .650 -.1441  
 .653 -.1810  
 .700 -.1404  
 .703 -.3381  
 .725 -.2460  
 .753 -.0009  
 .757 -.0220  
 .757 -.1204  
 .757 -.3132  
 .757 -.0756



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L91)

LOWER WING

ARC11-716 1A14 01-112-512N25

ALPHA( 1 ) = -7.870 BETA( 3 ) = .020

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.775				-.0981	-.0589		
.808			-.2361				
.834	-.3038						
.853				-.2976	-.2289	-.1473	
.857			-.3591				
.865	-.3231						
.900	-.3943			-.3965			-.3309
.905			-.4617	-.3832			
.930				-.4720		.0000	
.953			-.5285				
.965	-.5074						

ALPHA( 1 ) = -7.970 BETA( 4 ) = 4.110

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.1932	-.1033	.0867	.2801	.1807	.1197	.1848
.020				-.4991	-.5652	-.5818	-.5467
.030			-.1212				
.040		-.1331					
.048			-.1393				
.050	-.1739			-.4811	-.5671	-.5052	-.5873
.080				-.4491			
.085			-.1233				
.096		-.0874					
.094	-.1465						
.150				-.2686	-.5134	-.5806	-.5737
.163		-.0193					
.177			-.1774				
.229	-.1730						
.246		-.0865					
.250				-.2261	-.4266	-.4632	-.5270
.274			-.1714				
.362	-.0332						
.390		-.1453					
.400				-.1833	-.1904		-.4000
.402			-.1450				
.437	-.1280						
.550				-.1346	-.1665		
.565			-.1672				
.600							-.3769
.650						-.2528	



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(081L51)

LOWER WING

ARC11-756 1A14 01+12+512M25

ALPHA (1) = -7.970 BETA (4) = 4.110

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.000	-.1513	-.0706
.723		-.1231
.750		-.0878
.760		-.3882
.775	-.2248	
.808	-.2132	-.1168
.814	-.3553	
.850		-.3760
.857	-.4330	-.2900
.865		-.2073
.900	-.4576	
.905	-.5059	-.4334
.950	-.5092	-.0090
.953	-.3972	
.965	-.4002	

ALPHA (1) = -7.990 BETA (5) = 0.100

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	X/CW	CP
.2990	.3640	.4270
.5340	.6730	.7800
.8870		
.000	-.2211	-.1754
.020		.0663
.030		.1853
.040	-.1796	.0648
.048	-.1032	-.5145
.050	-.1654	-.5699
.080		-.5799
.085	-.1664	-.5541
.086		
.094	-.0832	-.4988
.150		-.5605
.163	-.0378	-.5605
.177		-.5416
.229	-.2159	-.4325
.246		
.250	-.1488	-.3053
.274		-.4971
.362	-.1874	-.5621
.390		-.5398
.400	-.1748	
.402		-.2274
.430	-.1529	-.3561
		-.5041
		-.5433
		-.4948

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881L51)

LOWER WING

ARC11-716 1A14 OL+T12+S12N25

ALPHA(1) = -7.990 BETA(5) = 0.180

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.550				-.1250	-.1412		
.565				-.1408			
.600						-.4325	
.650						-.1233	
.700	-.2133				-.2136		
.725				-.2901		-.1995	-.3600
.750							
.760				-.3381	-.3618	-.2972	
.775				-.4397			
.808							
.834	-.3987				-.4706	-.4043	-.3259
.850				-.4719			
.857							
.865	-.3782			-.4360			-.1870
.900	-.3410			-.4064	-.3819		
.905				-.3371		.0000	
.950				-.3314			
.953							
.965	-.3628						

ALPHA(2) = -5.960 BETA(1) = -0.060

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	.1141	.0165	.4280	.6841	.6406	.5921	.6287
.020				-.2375	-.3292	-.3670	-.3132
.030			.0409				
.040		.0763					
.048		-.0291					
.050	.0582		-.2324	-.3466	-.3933	-.3939	
.080			-.2049				
.081			.0462				
.086		.0083					
.094	-.0089						
.150				-.1840	-.2892	-.3502	-.3618
.163		.0685					
.177		-.0416					
.229	.0126						
.246		-.0487					
.250				-.1242	-.2504	-.2958	-.3238
.274							
.362	.0859		-.0568				



DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(R01L51)

LOWER WING

ARC11-716 IAI4 01+112+512+25

ALPHA( 2 ) = -3.960 BETA( 1 ) = -0.060

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6750 .7800 .8870

X/CW	Y/BW	CP
.390	.2990	-.0324
.400	.3640	.0926
.402	.4270	-.0279
.497	.5340	.0290
.550	.6750	.0244
.565	.7800	.0504
.600	.8870	-.1704
.650		.0699
.700		.1463
.725		.1352
.750		.1125
.760		.0147
.775		.0534
.800		-.0135
.833		.0368
.834		-.1132
.850		-.2037
.857		-.1307
.865		-.0646
.900		-.2703
.920		-.3126
.935		-.0687
.953		-.3861
.955		-.3004
.965		.0000
.965		-.3983
.965		-.4644
.965		-.4450

ALPHA( 2 ) = -3.990 BETA( 2 ) = -4.030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

X/CW	Y/BW	CP
.090	.2990	.0322
.020	.3640	-.0402
.030	.4270	.3317
.040	.5340	.3750
.046	.6750	.4966
.053	.7800	.5342
.060	.8870	-.3224
.065		-.3872
.066		-.4102
.066		-.3568
.066		-.0344
.066		-.0870
.066		-.3141
.066		-.4036
.066		-.4351
.066		-.4349
.066		-.2943
.066		-.0335
.066		-.0574
.066		-.0351
.066		-.2380
.066		-.3562
.066		-.3929
.066		-.4089
.066		.0090
.066		-.163
.066		-.177
.066		-.1060
.066		-.0434

DATE 11 JAN 73

(15718)

LOWER WING

ARC11-716 1A14 01-712+S12M23

$$\text{ALPHA}(\text{Z}) = -3.990 \quad \text{BETA}(\text{Z}) = -4.330$$

SECTION (LOWER WING

Year	1990	1991	1992	1993	1994
1990	2990	3640	4279	5343	6739
1991	2990	3640	4279	5343	6739
1992	2990	3640	4279	5343	6739
1993	2990	3640	4279	5343	6739
1994	2990	3640	4279	5343	6739

[illegible]
$$\text{ALFMA}(2) = -3.090 \quad \text{BETA}(3) = .049$$

SECTION (LOWER WING

DEPENDENT VARIABLE CP

[illegible]

DATE 11 JAN 79  
TABULATED PRESSURE DATA - 1A14A - VOL. 3

(R81L51)

LOWER WING

AF011-716 1414 5107120512025

ALPHA( 2) = -3.050 BETA( 3) = .340

SECTION / INNOVATION

	.2990	.3843	.4279	.4349	.6739	.7629	.8070
--	-------	-------	-------	-------	-------	-------	-------

[illegible]
$$\alpha \text{FMA}(2) = -3.970 \quad \text{BETAD}(4) = 4.093$$

SECTION 111.5.11

DEPENDENT VARIABLE CP

[illegible]





DATE 11 JAN 75

LOWER WING

99C11-716 1414 01-712-512N23

$$\Delta_{\text{PMQO}}(S) = -4.000 \quad \Delta_{\text{TAO}}(S) = 8.139$$

INDEPENDENT VARIABLE C/P

Year	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2423	2424	2425	2426	2427	2428	2429	2430
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DATE 11 JAN 75

TABULATED PRESSURE DATA - IAI14A - VOL. 3

(RBL131)

LOWER WING

ARC11-713 IAI14 ON+712+812M25

ALPHA( 3 ) = -.370 BPTAO ( 1 ) = -.0100

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/8W .2000 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000	.1048	.0087	.4502	.7470	.7250	.6743	.7187
.020				-.0197	-.1802	-.2228	-.1339
.030			.1497				
.040		.0799					
.048			.1259				
.050	.0341			-.0658	-.1403	-.1991	-.2313
.060				-.0603			
.065			.0893				
.066		.0426					
.094	.0837						
.150				-.0077	-.0878	-.1263	-.1955
.163		.1312					
.177			.0391				
.229	.0671						
.246		.0037		.0427	-.0502	-0.463	-.1071
.253			.0506				
.274							
.352	.1015			.1645	.1281		.0300
.390		.0270					
.400			.2272				
.402							
.487	.0213			.4363	.4063		
.550			.4205				
.565							
.600						.2500	.2702
.653				.1165	.1272		
.700	.2946						
.725						.0605	.1036
.740			.0384				
.760				-.0356	.0285		
.775			-.1171				
.808							
.834	-.1366			-.2053	-.1385	-.0039	
.853			-.2677				
.857							
.865	-.2256						
.903	-.3284			-.3107	-.3091		-.1132
.905			-.3845				
.910				-.3936		.0000	
.933			-.4604				
.965	-.4503						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5 (R81L51)

ARC11-716 1A1 1+112+512R25 LOWER WING

ALPHA(1 3) = -.340 BETA(1 2) = -4.010

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

T/W .2990 .3640 .4270 .5340 .6730 .7600 .8870

X/CW

.000	.0167	-.0631	.3572	.6608	.6368	.5867	.6220
.020				-.0988	-.2325	-.2799	-.2104
.030			.0711				
.040		.0169					
.048			.0069				
.050	-.0011			-.1093	-.2125	-.2740	-.2892
.080				-.1283			
.085			.0479				
.086		-.0307					
.094	.0306						
.150				-.0522	-.1547	-.1942	-.2354
.163		.0366					
.177		-.0080					
.229	-.0075	-.0339					
.245				-.0045	-.1083	-.1388	-.1790
.250							
.274		-.0099					
.362	.0277						
.390		-.0085					
.400				.1453	.1043		-.0468
.402			.1008				
.497	-.0167			.3227	.3432		
.550			.0780				
.563							
.600							
.650							
.700	.1470						
.725				.1087	.1206		
.750			.0234				
.760				-.0426	.0126		
.775			-.1356				
.808							
.834	-.1332						
.850				-.2207	-.1506	-.1030	
.857			-.2867				
.865	-.2435						
.900	-.3457			-.3263			-.1193
.905			-.3991		-.3219		
.950				-.4103		.0000	
.953			-.4748				
.965	-.4612						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R81L51)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA( 3 ) = -.390 BETA( 3 ) = .030

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.0754	-.0913	.3031	.5638	.4350	.4863	.5307
.020				-.1871	-.0666	-.3257	-.2630
.030			.1108				
.040		-.0710					
.048			.0146				
.050	-.1010			-.1405	-.2663	-.3250	-.3362
.060				-.1092			
.085			-.0215				
.086		.0116					
.094	-.0835			-.0688	-.1548	-.2326	-.2596
.150							
.163		.0777					
.177			-.0141				
.229	-.1245						
.246		-.0058		-.0355	-.0902	.0193	-.2066
.250							
.274			-.0323				
.362	-.0273						
.390		.0020		.0690	.0283		-.0205
.400			.1477				
.402							
.497	.0064			.0565	.2175		
.550			.0421				
.565							.1368
.600					.2110		
.650				.0825	.1082		
.700	.0466					.0404	.0851
.725							
.750			-.0212				
.760				-.0674	-.0120		
.775			-.1798				
.808							
.834	-.2169			-.2497	-.1791	-.1224	
.850			-.3169				
.857							
.865	-.2860						
.900	-.3477			-.3530			-.1433
.905			-.4243		-.3429		
.950				-.4330		.0000	
.955			-.4950				
.965	-.4717						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(R01L51)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA(3) = -.400 BETA(4) = 4.990

DEFICIENT VARIABLE CP

SECTION ( 1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .6670

X/CW

.000	-.1884	-.1502	.2380	.4933	.4481	.3935	.4395
.020				-.0580	-.2851	-.3401	-.2890
.030			.1621				
.040		-.0662					
.048			.0825				
.050	-.1545			-.0944	-.2129	-.2939	-.3415
.090				-.0921			
.095			.0362				
.096		-.0328					
.094	-.1797			-.0777	-.0716	-.1487	-.2719
.150			.0979				
.163			-.0443				
.177							
.229	-.1552			-.0922			
.246				-.0017	-.0458	-.0588	-.1088
.250			.0104				
.274							
.362	.0461	.0161		.0008	-.0312		-.0330
.390							
.400							
.402			.0956				
.497	-.0341			.0406	.0761		
.550							
.565			.0122				
.600							.1585
.650					.1646		
.700	-.0071			-.0292			.0291
.725					.0511		
.750			-.1628				
.760				-.1541	-.0718		
.775			-.2925				
.808							
.834	-.3334			-.3181	-.2353	-.1719	
.850			-.3834				
.857							
.865	-.3237						-.1907
.900	-.3947			-.4101			
.905			-.4684		-.3880		
.950				-.4794			.0000
.955			-.5153				
.965	-.3792						

(R01L51)

DATE 11 JAN 79

LOWER WING

ARC11-716 1A14 01+Y12+S12N23

ALPHA( 3) = -.400 BETA( 3) = 0.140

SECTION / INCHES WING

DEPENDENT VARIABLE CF

Y/8W	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW							
.000	-.3415	-.1752	.0929	.3773	.3554	.3076	.3393
.020				-.0925	-.3320	-.4010	-.3507
.030			.0560				
.040		-.1407					
.048			-.0118				
.050	-.2371			-.0967	-.2561	-.3580	-.3759
.080				-.0679			
.095			-.0328				
.096		-.0641					
.099	-.2706						
.150							
.163		.0312					
.177			-.0268				
.229	-.1660						
.246							
.250		-.0615					
.274			-.0340				
.362	-.0427						
.390		-.0362					
.400				.0109	.0164		.0635
.402			-.0167				
.487	-.0464						
.550							
.565			-.0206		.0102		
.600							.0944
.650							
.700	-.0475				-.1320		
.725				-.2221			
.750						-.1000	-.0646
.760			-.2849				
.775				-.2933	-.2148		
.808			-.3910				
.834	-.3374						
.850							
.857			-.4558		-.4128	-.3143	-.2525
.865	-.3478						
.900	-.3554			-.4383			-.2668
.905			-.4106		-.4328		
.950				-.2724		.0000	
.953			-.2863				
.965	-.3480						

DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(RBL151)

LOWER WING

ARC11-716 1A14 01+T12+S12R25

ALPHA(4) = 4.110 BETA(1) = -0.070

SECTION (1) LOWER WING DEFENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.000	.1051	.0583	.4976	.8129	.8137	.7723
.020					.2194	.2368	.1886
.030			.3882				.2261
.040		.1237					
.048			.2580				.1826
.050	.0725			.1715	.1293	.1827	
.060				.1487			
.095			.1643				
.086		.2527					
.094	.0981			.0985	.2069	.2032	.2499
.150		.3283					
.163			.1070				
.177							
.229	.1009			.2572	.2037	.2713	.4307
.245		.1944					
.253			.1691				
.274				.4933	.5118		.3836
.362	.1361	.2447					
.390			.2562				
.400				.4628	.4025		.2220
.402			.4666			.2287	
.497	.1218						
.550							
.565							
.600							
.650							
.700	.4417			.1270	.1238		
.725						.0390	.0555
.750							
.760			.0576				
.775				-.0273	.0310		
.808			-.0868				
.834	-.1322			-.1858	-.1341	-.1137	
.850							
.857			-.2495				
.865	-.1872						
.900	-.3106			-.2911			-.1477
.935			-.3612	-.3038			
.950				-.3750		.0000	
.955			-.4395				
.965	-.4305						



DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

(881L51)

LOWER WING

ARC11-716 1A14 OL+T12-S12N25

ALPHA( 4) = 4.100 BETA( 2) = -3.980

SECTION ( 1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
X/CW	.0000	-.0302	.3994	.7342	.7264	.6916	.7169
	.020			.1817	.1721	.1230	.1599
	.030		.3255				
	.040	.0475					
	.048		.1930				
	.050			.1190	.0674	.1068	.1198
	.053			.1064			
	.055		.1120				
	.056	.1724					
	.0594			.0555	.1611	.1646	.1474
	.150						
	.161	.2422					
	.177		.0722				
	.229	.0271					
	.246	.1482		.1685	.1712	.1633	.1886
	.253		.0809				
	.274						
	.352	.0599					
	.359	.1341		.2068	.3832		.4162
	.400		.1958				
	.402						
	.437	.0834		.4495	.3983		
	.550		.4394				
	.565						.2236
	.600				.2245		
	.650			.1096	.1136		
	.700	.3742				.0314	.0370
	.725						
	.750		.0378	-.0419	.0174		
	.760						
	.775		-.1108				
	.808						
	.834	-.1591		-.2023	-.1459	-.1227	
	.850						
	.857		-.2659				
	.865	-.2171					-.1659
	.900	-.3270		-.3064			
	.905		-.3768	-.3152		.0000	
	.950		-.3881				
	.953		-.4308				
	.965	-.4402					



DATE 11 JAN 75  
 TABULATED PRESSURE DATA - 1A14A - VOL. 5  
 (801L511)

LOWER WING

ALPHA (4) = 4.100 BETA (3) = .060

ARC11-716 1A14 01+112+512N25

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW	.2890	.3340	.4270	.5340	.6730	.7800	.8670
Y/CW							
.000	-.0942	-.1673	.3277	.6426	.6316	.5984	.6217
.020				.1792	.1455	.1332	.1261
.030			.2688				
.040		-.0216					
.060			.1729				
.070	-.0393			.1035	.0805	.1115	.0830
.080			.1692	.0920			
.095							
.096		.0518					
.099	-.0309						
.130				.0858	.1290	.1347	.1131
.165		.1630					
.177			.0994				
.229	-.0394						
.246		.1059					
.250				.1531	.1110	.1270	.1222
.274			.1115				
.362	.0848						
.390		.1088					
.402			.1384	.1611	.1706		.2087
.437	.0821						
.550			.2430	.3965	.3893		
.565							
.600						.3048	
.650					.1999		
.700	.1710			.0646	.0818		
.725						.0072	.0087
.750		-.0320		-.0816	-.0222		
.775		-.1801					
.809							
.834	-.2270			-.2483	-.1840	-.1500	
.850							
.857		-.3165					
.866	-.2678						
.910	-.3545			-.3491			-.1969
.934		-.4198		-.3482			
.952			-.4297			.0000	
.985		-.4832					
.986		-.4651					

DATE 11 JAN 75

TABULATED PRESSURE DATA - 1A14A - VOL. 3

(RB1L31)

LOWER WING

ARC11-713 1A14 010712+312425

ALPHA(4) = 4.100 BETA(4) = 4.130

SECTION (1) LOWER WING

DEPENDENT VARIABLE CP

Y/BW .2990 .3640 .4270 .5340 .6730 .7800 .8870

X/CW

.000 -.2222 -.3484 .2086 .5347 .5324 .4985 .5368

.020 .020 .030 .2439 .1752 .1470 .0982 .0889

.040 .040 .060 .1324 .1609 .1000 .0793 .0800 .0604

.060 .060 .080 .1193 .0889 .0889 .0889 .0889

.080 .080 .100 .0959 .0959 .0959 .0959 .0959

.100 .100 .120 .1231 .0841 .0801 .0859 .0883

.120 .120 .140 .1746 .0912 .0912 .0912 .0912

.140 .140 .160 .0646 .0646 .0646 .0646 .0646

.160 .160 .180 .0955 .0955 .0955 .0955 .0955

.180 .180 .200 .1077 .1077 .1077 .1077 .1077

.200 .200 .220 .0900 .0900 .0900 .0900 .0900

.220 .220 .240 .0643 .0643 .0643 .0643 .0643

.240 .240 .260 .550 .550 .550 .550 .550

.260 .260 .280 .565 .565 .565 .565 .565

.280 .280 .300 .600 .600 .600 .600 .600

.300 .300 .320 .650 .650 .650 .650 .650

.320 .320 .340 .700 .700 .700 .700 .700

.340 .340 .360 .725 .725 .725 .725 .725

.360 .360 .380 .750 .750 .750 .750 .750

.380 .380 .400 .760 .760 .760 .760 .760

.400 .400 .420 .775 .775 .775 .775 .775

.420 .420 .440 .800 .800 .800 .800 .800

.440 .440 .460 .834 .834 .834 .834 .834

.460 .460 .480 .850 .850 .850 .850 .850

.480 .480 .500 .857 .857 .857 .857 .857

.500 .500 .520 .865 .865 .865 .865 .865

.520 .520 .540 .930 .930 .930 .930 .930

.540 .540 .560 .935 .935 .935 .935 .935

.560 .560 .580 .957 .957 .957 .957 .957

.580 .580 .600 .953 .953 .953 .953 .953

.600 .600 .620 .965 .965 .965 .965 .965

.620 .620 .640 .965 .965 .965 .965 .965

.640 .640 .660 .965 .965 .965 .965 .965

.660 .660 .680 .965 .965 .965 .965 .965

.680 .680 .700 .965 .965 .965 .965 .965

.700 .700 .720 .965 .965 .965 .965 .965

.720 .720 .740 .965 .965 .965 .965 .965

.740 .740 .760 .965 .965 .965 .965 .965

.760 .760 .780 .965 .965 .965 .965 .965

.780 .780 .800 .965 .965 .965 .965 .965

.800 .800 .820 .965 .965 .965 .965 .965

.820 .820 .840 .965 .965 .965 .965 .965

.840 .840 .860 .965 .965 .965 .965 .965

.860 .860 .880 .965 .965 .965 .965 .965

.880 .880 .900 .965 .965 .965 .965 .965

.900 .900 .920 .965 .965 .965 .965 .965

.920 .920 .940 .965 .965 .965 .965 .965

.940 .940 .960 .965 .965 .965 .965 .965

.960 .960 .980 .965 .965 .965 .965 .965

.980 .980 1.000 .965 .965 .965 .965 .965



(R81L51)

TABULATED PRESSURE DATA - 1A14A - VOL. 5

LOWER WING

DATE 11 JAN 75

ARC11-716 TAIL CL+112+512H25

ALPHA(4) = 4.090 BETA(5) = 0.100

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/BW .2990 .3640 .4270 .5340 .6730 .7830 .8870

X/CW .000 -.4104 -.8580 -.9191 .2932 .4164 .4079 .5367

.020 .030 .0666 .1013 .0390 .0384 .1169

.040 .0667 .0771 .0323 .0448 .1027

.050 .0702 .0670

.060 .0603

.070 .0727 .0949 .0632 .1372

.080 .0603

.090 .0603

.100 .0603

.110 .0603

.120 .0603

.130 .0603

.140 .0603

.150 .0603

.160 .0603

.170 .0603

.180 .0603

.190 .0603

.200 .0603

.210 .0603

.220 .0603

.230 .0603

.240 .0603

.250 .0603

.260 .0603

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VOL. 5

(RBIL51)

LOWER WING

ALPHA( 5 ) = 0.010 BETA( 1 ) = -0.050

SECTION ( 1 ) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.8990	.3640	.4270	.5340	.6750	.7800	.8870
X/CW							
.000	.1028	.0761	.5625	.8960	.6447	.7924	.7829
.020				.4942	.5995	.5842	.6590
.030			.4872				
.040		.1636					
.048			.3926				
.050	.0961			.3748	.4225	.4948	.5492
.090				.3108			
.135			.4252				
.096		.2686					
.074	.1175						
.150		.3692		.2386	.3713	.4914	.4814
.163			.2437				
.177							
.229	.1182						
.246		.3457		.2579	.4639	.4720	.4268
.250			.1765				
.274	.1953						
.352		.2590		.4160	.4212		.3812
.390			.4546				
.400							
.432							
.497	.2289			.3625	.3424		.2236
.550			.3661			.2033	
.565							
.600					.0770		
.650	.3719			.0469		.0271	.0549
.700			.0239				
.725				-.0655	-.0070		
.750							
.760							
.775							
.808			-.1034				
.834	-.1548						
.850				-.1923	-.1513	-.1266	
.857			-.2476				
.865	-.2147						
.900	-.3821						
.905			-.3442	-.2716	-.2931		-.1463
.950							
.955			-.3256			.0000	
.965							
			-.4283				



(881151)

DATE 11 JAN 75 TABULATED PRESSURE DATA - IAI4A - VLS 3

LOWER WING

ARC11-716 IAI4 31+112+512N25

ALPHA( 5) = 0.010 BETA( 2) = -4.010

DEPENDENT VARIABLE CF

SECTION 1 LOWER WING

Y/BW	.2990	.3640	.4270	.5340	.6700	.7800	.8870
X/CM							
.000	.0172	-.0356	.4260	.0119	.7821	.7102	.7127
.020			.4002	.4375	.4631	.5092	.5900
.030		.0874					
.040			.2705				
.050	.0242			.3576	.3726	.4020	.5066
.060				.3119			
.070			.2927				
.080		.1907					
.090	.0719			.2242	.3109	.3025	.4582
.100		.2931					
.110			.2735				
.120	.0537						
.130	.2001			.2075	.2959	.4857	.3990
.140		.1908					
.150			.2147				
.160	.1806			.4790	.4261		.3494
.170			.2719				
.180	.2321			.3416	.3172		
.190		.3263					.1932
.200				.0641		.1000	
.210	.3152			.0869		.0064	.0242
.220			.0065				
.230				-.0701	-.0192		
.240			.1295				
.250							
.260			.2764				
.270				-.2162	-.1671	-.1416	
.280							
.290							
.300							
.310							
.320							
.330							
.340							
.350							
.360							
.370							
.380							
.390							
.400							
.410							
.420							
.430							
.440							
.450							
.460							
.470							
.480							
.490							
.500							
.510							
.520							
.530							
.540							
.550							
.560							
.570							
.580							
.590							
.600							
.610							
.620							
.630							
.640							
.650							
.660							
.670							
.680							
.690							
.700							
.710							
.720							
.730							
.740							
.750							
.760							
.770							
.780							
.790							
.800							
.810							
.820							
.830							
.840							
.850							
.860							
.870							
.880							
.890							
.900							
.910							
.920							
.930							
.940							
.950							
.960							
.970							
.980							
.990							
.000							



(RBL51)

LOWER WING

TABULATED PRESSURE DATA - 1A14A - VOL. 3

ARC11-716 1A14 01+112+512N25

ALPHA (S) = 8.020 BETA (S) = .030

SECTION (1) LOWER WING DEPENDENT VARIABLE CP

Y/BW	.2990	.3640	.4270	.5340	.6730	.7800	.8870
1/CW							
.000	-.0908	-.2183	.2836	.6726	.6797	.6227	.6232
.020			.4100	.3966	.4030	.4461	.4982
.040		.0280					
.060			.3170	.2864	.3072	.3488	.4099
.080	.0041			.2208			
.100		.2716					
.120		.0972					
.140	-.0190			.1599	.2762	.3132	.3854
.160		.2362					
.180		.1366					
.200	.0309			.2017	.2445	.3445	.3631
.220		.1911					
.240			.1731				
.260	.1822			.2610	.3706		.3303
.280		.1649					
.300			.2028				
.320				.3244	.3224		
.340	.1257		.2684				.1648
.360						.1585	
.380	.1981			.0243	.0492		
.400						-.0161	-.0079
.420			-.0601				
.440				-.1082	-.0480		
.460			-.1927				
.480							
.500	-.2483			-.2801	-.2000	-.1685	
.520			-.3230				
.540							
.560	-.2953						-.2020
.580	-.3687			-.3519			
.600			-.4197	-.3524			
.620				-.4283		.0000	
.640			-.4858				
.660	-.4645						







DATE 11 JAN 75 TABULATED PRESSURE DATA - 1A14A - VOL. 5

RBL(51)

LOWER WING

ARC11-716 1A14 01+112+512N25

ALPHA(5) = 7.990 BETA(5) = 0.280

DEPENDENT VARIABLE CP

SECTION (1) LOWER WING

Y/W .2990 .3840 .4270 .5540 .6730 .7600 .8870

X/CW

.00	-.3963	-.3128	-.1025	.1928	.4527	.4664	.5147
.020				.1917	.2421	.3257	.3842
.030			.0820				
.040		-.1526					
.048			.0939				
.050	-.2132			.1573	.1752	.2687	.3164
.080				.1416			
.095			.1076				
.096		-.0287					
.104	-.1372			.1311	.1646	.2482	.2924
.150		.0843	.1129				
.163							
.177	-.0495						
.204		.0819		.1263	.1411	.2519	.3101
.246			.1129				
.257							
.274	.0341						
.362		.1020		.1348	.1698		.2233
.393			.1165				
.402							
.497	.0760			.0881	.1245		.0927
.550						.5435	
.565			.0715				
.610				-.1239	-.0916		
.640	.0334						
.700							
.725							
.750							
.760							
.775							
.808							
.814	-.2095						
.850							
.857							
.865	-.3272						
.870	-.3009						
.935							
.950							
.951							
.965	-.2837						

